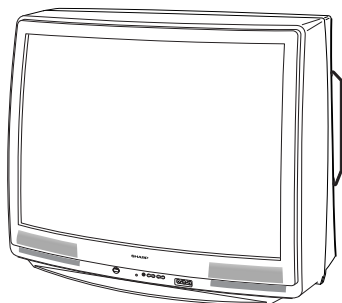
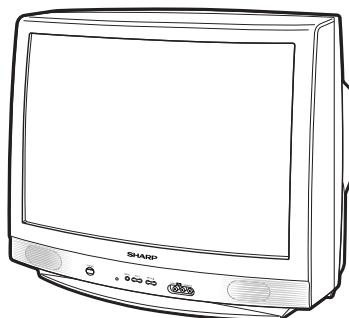


SERVICE MANUAL

S24O932C240//



32C240



32C241

COLOR TELEVISION

Chassis No. GB-3U (1W)

32C240
32C241

MODELS

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

	Page
● ELECTRICAL SPECIFICATIONS	1
● IMPORTANT SERVICE SAFETY PRECAUTION	2
● LOCATION OF USER'S CONTROL	4
● INSTALLATION AND SERVICE INSTRUCTIONS	6
● SERVICE ADJUSTMENT	10
● CHASSIS LAYOUT	12
● BLOCK DIAGRAM	13
● DESCRIPTION OF SCHEMATIC DIAGRAM & WAVEFORMS	14
● SCHEMATIC DIAGRAMS	15
● PRINTED WIRING BOARD ASSEMBLIES	22
● REPLACEMENT PARTS LIST	25
● PACKING OF THE SET	33

ELECTRICAL SPECIFICATIONS

POWER INPUT	120V AC, 60 Hz
POWER RATING	135W
PICTURE SIZE	3,073 cm ² (476sq inch)
CONVERGENCE	Magnetic
SWEEP DEFLECTION	Magnetic
FOCUS	Hi-Bi-Potential Electrostatic
INTERMEDIATE FREQUENCIES	
Picture IF Carrier Frequency	45.75 MHz
Sound IF Carrier Frequency	41.25 MHz
Color Sub-Carrier Frequency	42.17 MHz
	(Nominal)

SPEAKER
 SIZE 12 x 6 cm oval (2 pcs.)
 VOICE COIL IMPEDANCE 16 ohm at 400 Hz

ANTENNA INPUT IMPEDANCE
 VHF/UHF 75 ohm Unbalanced

TUNING RANGES
 VHF-Channels 2 thru 13
 UHF-Channels 14 thru 69
 CATV Channels 1 thru 125

(EIA, Channel Plan U.S.A.)

AUDIO POWER
OUTPUT RATING 3.0W + 3.0W (at 10% distortion and
Dual CH Operate)

Specifications are subject to change without prior notice.

SHARP CORPORATION

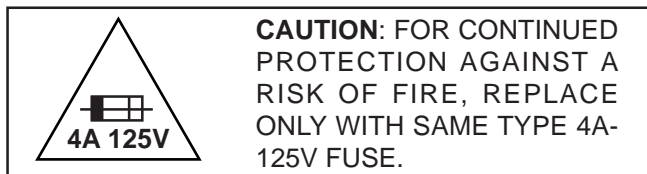
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.
To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.
It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter.
The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

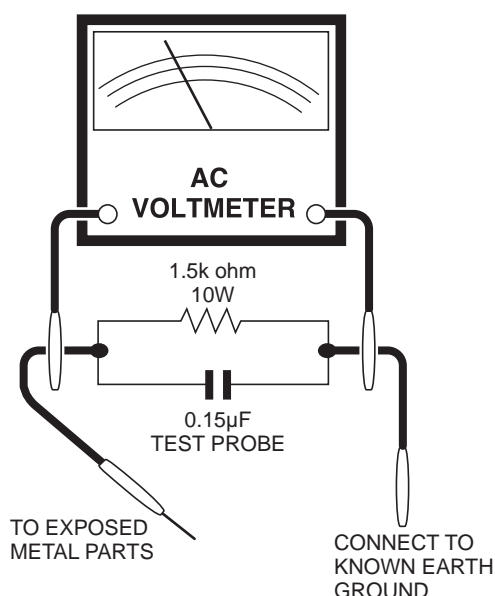
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC line cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



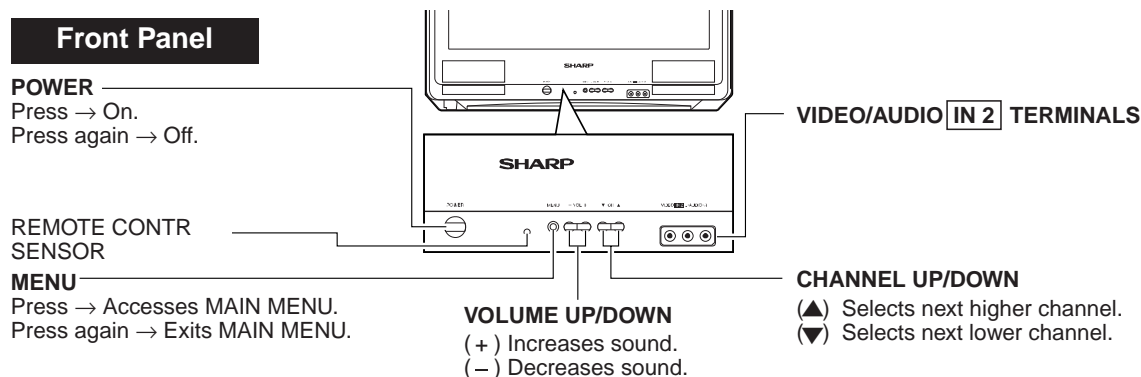
SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

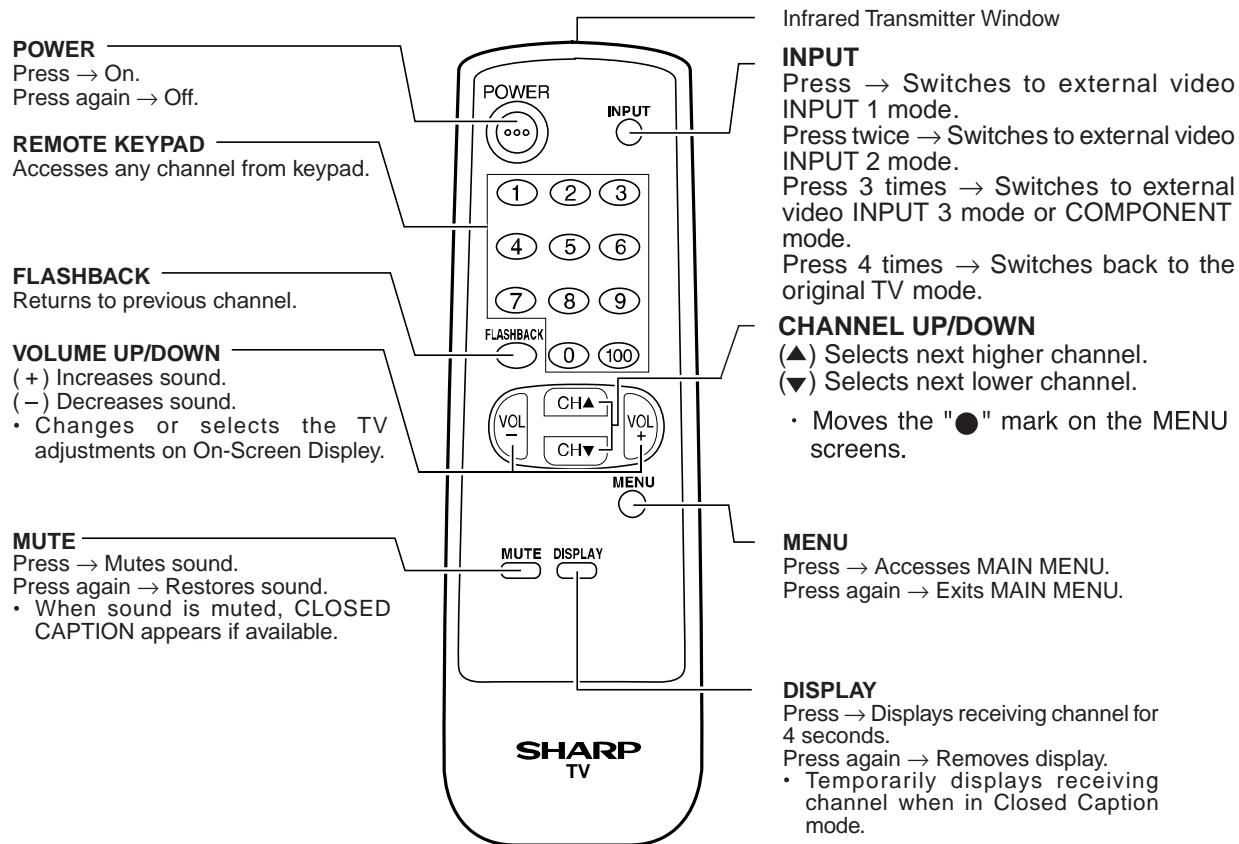
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " \triangle " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

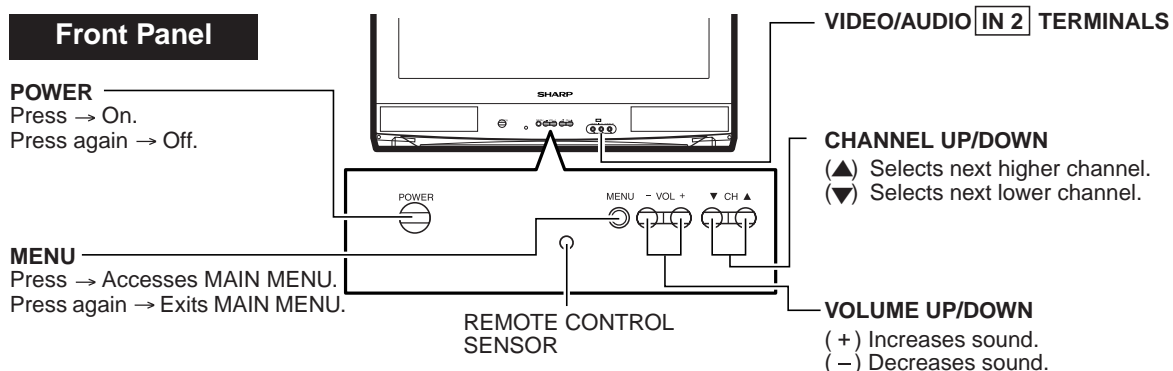
LOCATION OF USER'S CONTROL (32C240)



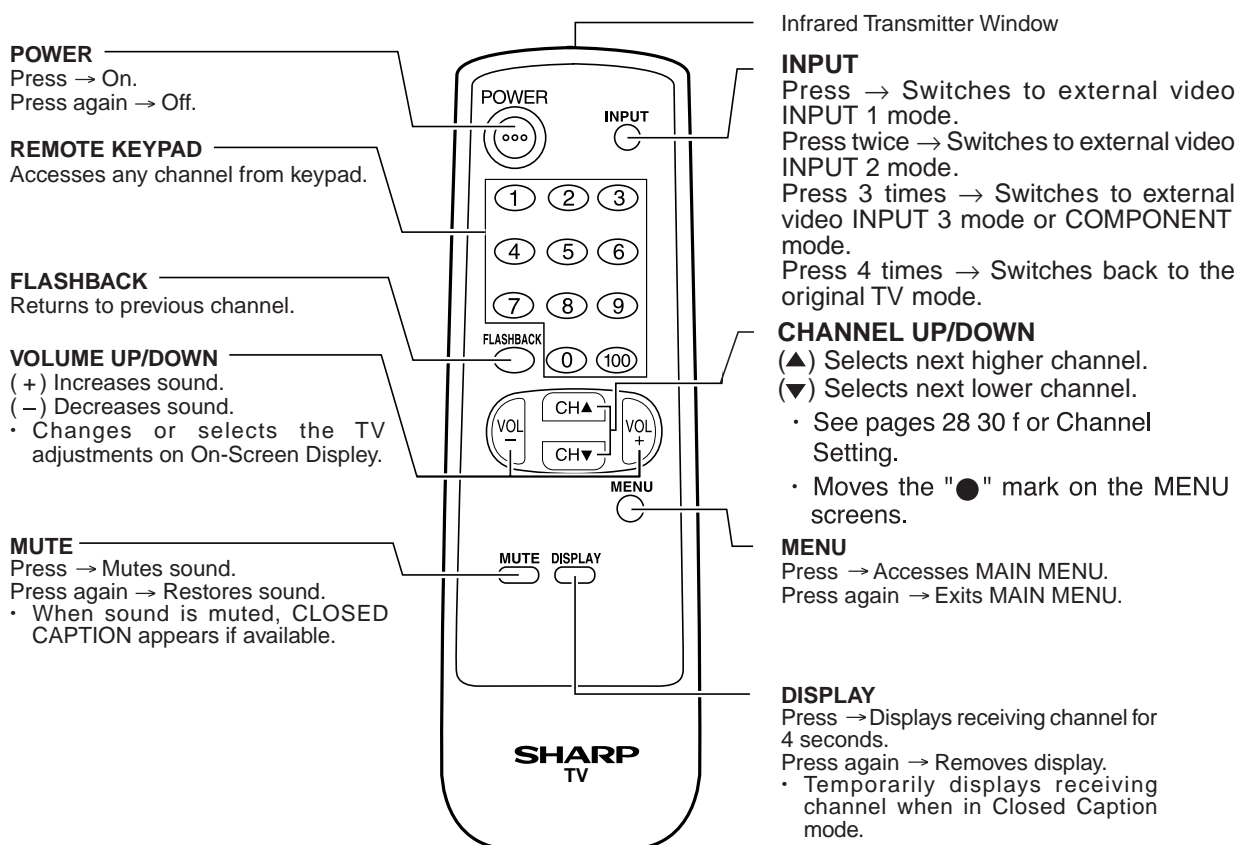
Basic Remote Control Functions



LOCATION OF USER'S CONTROL (32C241)



Basic Remote Control Functions



INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP653(P651,3pin) and make sure that the voltmeter reads $13.85 \pm 0.6V$ DC.
5. Apply external 17.3V DC at TP653 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and plug the AC cord power on. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "V11" and Bus data "01" (Y-mute on, CRT Cut Off).
4. The voltage should be below 35.0kV (at zero beam). If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "V01" to "M05". Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or Vol-down button to adjust the data number.

To enter the service mode and exit service mode.

To enter the service mode manually just press and hold the Vol-down and Ch-up buttons at the same time, plug the AC cord into a wall socket.

Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

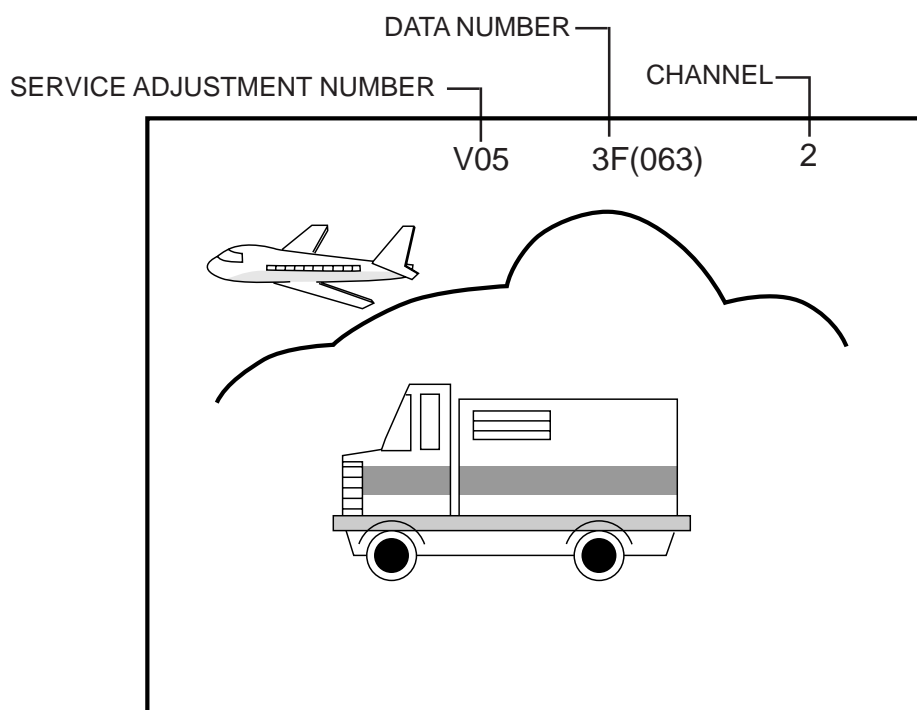


Figure A.

A. VCJ IC ADJUSTMENT

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		NOTES	FIXED VALUE (HEX)
		RANGE	INITIAL VALUE		
V01	PICTURE	0-15 (00h-0Fh)	8 (08h)	Y-Mute / Horizontal “—”	
V02	TINT	0-127 (00h-7Fh)	66 (42h)		
V03	COLOR	0-127 (00h-7Fh)	56 (38h)		
V05	BRIGHT	0-127 (00h-7Fh)	64 (40h)		
V06	R CUT-OFF	64-255 (40h-FFh)	64 (40h)		
V07	G CUT-OFF	64-255 (40h-FFh)	64 (40h)		
V08	B CUT-OFF	64-255 (40h-FFh)	64 (40h)		
V09	G/R DRIVE	0-127 (00h-7Fh)	64 (40h)		
V10	B DRIVE	0-127 (00h-7Fh)	64 (40h)		
V11	Y-MUTE/V-STOP	0-2	0 (00h)		
V12	SHARP	0-63 (00h-3Fh)	50 (32h)		35
V13	DC RESTORATION	0-3 (00h-03h)	2 (02h)		02
V14	BLACK STRETCH	0-3 (00h-03h)	2 (02h)		02
V15	ABL START POINT	0-3 (00h-03h)	3 (03h)		03
V16	ABL GAIN	0-3 (00h-03h)	2 (02h)		02
V17	γ POINT	0-3 (00h-03h)	0 (00h)		00
V19	ENERGY SAVE	0-63 (00h-3Fh)	63 (3Fh)	Offset	3F
V24	LOW-G	0-255 (00h-FFh)	12 (0Ch)	Color Temp.	F4
V25	LOW-B	0-255 (00h-FFh)	241 (F1h)	Color Temp.	E6
V26	ML-G	0-255 (00h-FFh)	0 (00h)	Color Temp.	FD
V27	ML-B	0-255 (00h-FFh)	247 (F7h)	Color Temp.	F8
V28	HIGH-G	0-255 (00h-FFh)	2 (02h)	Color Temp.	01
V29	HIGH-B	0-255 (00h-FFh)	8 (08h)	Color Temp.	06
V30	WPL	0-1	1 (01h)		01
V31	RGB CONTRAST	0-63 (00h-3Fh)	59 (3Bh)		3B
V34	VSM GAIN	0-3 (00h-03h)	1 (01h)		01
V36	BPF/TOF-INPUT	0-1	0 (00h)	External Input	00
V37	CORING	0-1	0 (00h)		00
V38	VSM PHASE	0-1	0 (00h)		00
V39	COLOR γ	0-1	0 (00h)		00
V40	SHARP-INPUT	0-63 (00h-3Fh)	44 (2Ch)	External Input	2F
V41	TINT-INPUT	0-127 (00h-7Fh)	62 (3Eh)	External Input	3E
V42	PICTURE-COMPONENT	0-15 (00h-0Fh)	6 (06h)	Component Input	
V43	TINT-COMPONENT	0-127 (00h-7Fh)	62 (3Eh)	Component Input	3E
V44	COLOR-COMPONENT	0-127 (00h-7Fh)	72 (48h)	Component Input	48
V45	BRIGHT-COMPONENT	0-127 (00h-7Fh)	84 (54h)	Component Input	
V46	R CUT OFF-COMPONENT	64-255 (00h-FFh)	64 (40h)	Component Input	
V47	G CUT OFF-COMPONENT	64-255 (00h-FFh)	64 (40h)	Component Input	
V48	B CUT OFF-COMPONENT	64-255 (00h-FFh)	64 (40h)	Component Input	
V49	G/R DRIVE-COMPONENT	0-127 (00h-7Fh)	64 (40h)	Component Input	
V50	B DRIVE-COMPONENT	0-127 (00h-7Fh)	64 (40h)	Component Input	
V51	SHARP-COMPONENT	0-63 (00h-3Fh)	44 (2Ch)	Component Input	2F
V52	TINT-S	0-127 (00h-7Fh)	62 (3Eh)	Component Input	3E
V53	C-TRAP	0-1 (00h-01h)	0 (00h)		00
V59	AUTO FRESH	0-1 (00h-01h)	0 (00h)		00
V60	SHARP P F	0-1 (00h-01h)	1 (01h)		01
V61	CD MATRIX	0-3 (00h-03h)	2 (02h)		02
V62	B-Y ATT	0-1 (00h-01h)	0 (00h)		00
V63	R-Y ATT	0-1 (00h-01h)	0 (00h)		00
V64	CD MATRIX COMPONENT	0-3 (00h-03h)	0 (00h)	Component Input	00
V65	B-Y ATT-COMPONENT	0-1 (00h-01h)	0 (00h)	Component Input	00
V66	R-Y ATT-COMPONENT	0-1 (00h-01h)	0 (00h)	Component Input	00
V67	BUZZ	0-1 (00h-01h)	1 (01h)		01
V68	RGB ABCL	0-1 (00h-01h)	1 (01h)		01
R01	RF-AGC	0-63 (00h-3Fh)	36 (24h)	Standard value for the self-adjustment	AA
R03	RF-AGC REF	0-255 (00h-FFh)	170 (AAh)		
D01	V POSITION	0-7 (00h-07h)	0 (00h)	Offset toward D13.	00
D02	H POSITION	0-31 (00h-1Fh)	15 (0Fh)		
D03	V SIZE	0-127 (00h-7Fh)	89 (59h)		
D04	H SIZE	0-63 (00h-3Fh)	36 (24h)		
D05	V-LINEARITY	0-15 (00h-0Fh)	8 (08h)		
D06	V-S CORRECTION	0-15 (00h-0Fh)	12 (0Dh)		0B
D07	EW PARABOLA	0-63 (00h-3Fh)	43 (2Bh)		
D08	EW TRAPEZIUM	0-63 (00h-3Fh)	36 (24h)		
D10	AFC GAIN	0-3 (00h-03h)	2 (02h)		02
D11	V EHT	0-7 (00h-07h)	6 (06h)		06
D12	H EHT	0-7 (00h-07h)	6 (06h)		06
D13	EW CORNER	0-31 (00h-1Fh)	8(08h)		10
D14	EW CORNER BOTTOM	19-81 (13h-51h)	50 (32h)		32
D15	NOISE DET LEVEL	0-3 (00h-03h)	0 (00h)		00
D18	V CENTERING	0-63 (00-3Fh)	36 (24h)		
D19	V-AGC	0-1 (00h-01h)	0 (00h)		00

B. SPECIAL SETTING

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		NOTES	FIXED VALUE (HEX)
		RANGE	INITIAL VALUE		
EX1	FAO VOLUME	0-50 (00h-32h)	36 (24h)	Interrupt period adjustment.	24
EX2	CC-POSITION	0-127 (00h-7Fh)	27 (1Bh)		
EX3	INT	0-255 (00h-FFh)	122 (7Ah)		7A
EX4	A-ATT	0-127 (00h-7Fh)	90 (5Ah)		5A
EX5	TUNER data	0-3 (00h-03h)	0 (00h)	For the power control For the power control	00
EX6	Think chip-Slice LEVEL	0-255 (00h-FFh)	54 (36h)		12
EX7	RLY DELAY TIME	0-255 (00h-FFh)	0 (00h)		00
EX8	ADG ON TIME	0-255 (00h-FFh)	10 (0Ah)		0A

C. OPTION SETTING

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		NOTES	FIXED VALUE (HEX)
		RANGE	INITIAL VALUE		
OP1	OPTION1	0-255 (00h-FFh)	245 (F5h)		B5
OP2	OPTION2	0-255 (00h-FFh)	188 (BCh)		08
OP3	OPTION3	0-255 (00h-FFh)	15 (0Fh)		8C

D. SOUND ADJUSTMENT

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		NOTES	FIXED VALUE (HEX)
		RANGE	INITIAL VALUE		
M01	INPUT LEVEL	0-15 (00h-0Fh)	7 (07h)		
M02	MTS VCO	0-63 (00h-3Fh)	38 (26h)		
M03	FILTER	0-63 (00h-3Fh)	36 (24h)		
M04	WIDEBAND	0-63 (00h-3Fh)	28 (1Ch)		
M05	SPECTRAL	0-63 (00h-3Fh)	23 (17h)		

Holding down both the VOL-up and CH-up buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2101.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2101.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201 and MTS level (M01).
IC2101	X		Holding down both the VOL-up and CH-up buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2101 Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M05).

SERVICE ADJUSTMENT

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "R01".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

Note 1 : You will have to come out of the service mode to select another channel.

Note 2 : Setting the data to "00" will produce a black raster.

Screen Adjustment

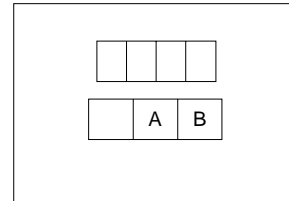
1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "V03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
3. Select the service adjustment "V11" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
4. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
5. Adjust the service adjustments "V06" red, "V07" green and "V08" blue to obtain a good grey scale with normal whites at low brightness level.
6. Select the service adjustment "V11" and reset data to "00". Select the service adjustment "V03" and reset data to obtain normal color level.
7. For component input, the data value of "V46" red, "V47" green and "V48" blue is adjusted to follow the data value of "V06", "V07" and "V08" respectively.
8. Reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "V03" and set to "00" (minimum color)(Record original data code under adjustment "V03" before changing). "V03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "V09" and "V10" until a good grey scale with normal whites is obtained. (RF Input)
4. For component input, the data value of "V49" and "V50" is adjusted to follow the data value of "V09" and "V10" respectively.
5. Select the service adjustment "V03" and reset data to obtain normal color level.

Sub-picture and Sub-Bright Adjustments

1. Receive the window pattern signal.
 - RF INPUT (TU51)
2. Get into service adjustment data "V01" and "V05" and set the luminance as shown in figure "A" and "B" as below respectively.
- COMPONENT INPUT
3. Get in service adjustment data "V42" and "V45" and set the luminance as shown in figure "A" and "B" as below respectively.



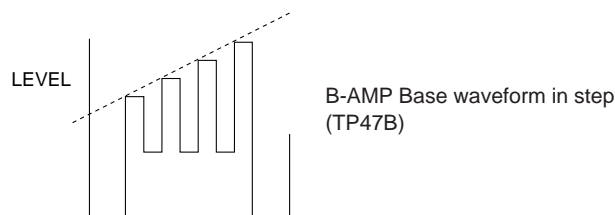
LUMINESCENCE CONFIRMATION

A: $92 \pm 10 \text{cd/m}^2$

B: $1.1 \pm 0.5 \text{cd/m}^2$

Sub-Tint Adjustment

1. Receive the half color bar signal.
- RF INPUT (TU51)
2. Get into Y-Mute by R/C, or by setting the "V11" bus data to "01".
3. Vary the "V02" bus data until the waveform becomes as stated below.



Sub-Color Adjustment

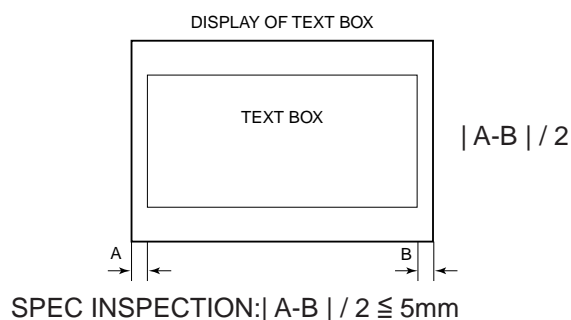
1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
- RF INPUT (TU51)
3. Enter the service mode and select service adjustment "V03".
4. Adjust "V03" data value to obtain a normal color level.

Focus Adjustment

1. Receive a good local channel.
2. Adjust the focus VR of the flyback transformer to make the image as fine as possible.

C. C Display Position Adjustment

1. Receive the lion head pattern signal.
2. Select "EX2" to display the text box.
3. Adjust the "EX2" bus data to let the text box displayed in the center.



Vertical-Size and Linearity Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D03" for V-size.
3. Adjust the "D03" bus data to get the proper V-size.
4. For V-linearity adjustment, select data bus "D05" and adjust to get the proper vertical linearity.

Note: Aging for 10 min before adjustment. After the adjustment of V-center and V-size, re-adjustment for this V-line.

Vertical Phase Adjustment

1. Enter the service mode and input "D01" data value to "00h".
2. Adjust "D18" data value so that picture is centered.

Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D02".
3. Adjust "D02" data value so that picture is centered.

Horizontal-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D04" for H-size.
3. Adjust the "D04" bus data to get the proper H-size.

EW-Parabola

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D07" for EW parabola.
3. Adjust the "D07" bus data to get the proper vertical straight line for both left and right side.

EW-Trapezium

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "D08" for EW-Trapezium.
3. Adjust the "D08" bus data to get the best position display.

MTS ADJUSTMENT

MTS Level Adjustment

1. Set the sound volume above 1.
Monoral signal: 400Hz, 100% modulation
2. Confirm "EX4" data is "5Ah".
3. Vary the "M01" bus data until the voltage to pin (39) of IC3001 to become the value as stated below.

SETTING VOLTAGE

ADJ spec : $490 \pm 10\text{mVrms}$

CHK spec: $490 \pm 20\text{mVrms}$

Separation Adjustment

1. Input "SIGNAL 1" and vary the "M04" bus data to get the minimum AC voltage to pin (39) of IC3001.
2. Input "SIGNAL 2" and vary the "M05" bus data to get the minimum AC voltage to pin (39) of IC3001.
SIGNAL 1: 300Hz, 30% modulation, Lch only, NR-ON
SIGNAL 2: 3kHz, 30% modulation, Lch only, NR-ON

Note: SIGNAL 1 Adj. for wideband

SIGNAL 2 Adj. for spectral

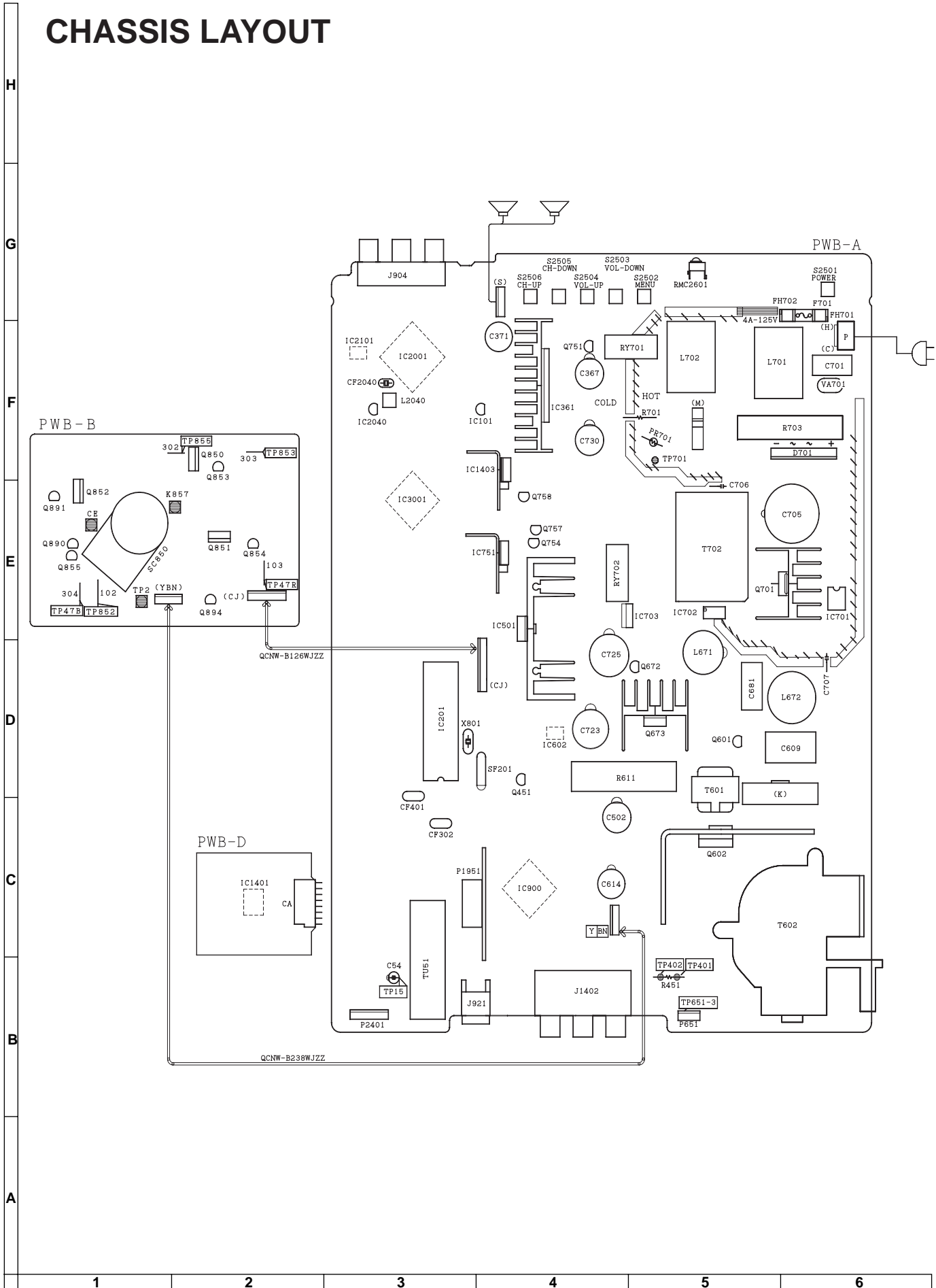
Check the output of the speaker at the maximum volume as stated below.

Confirmation spec:

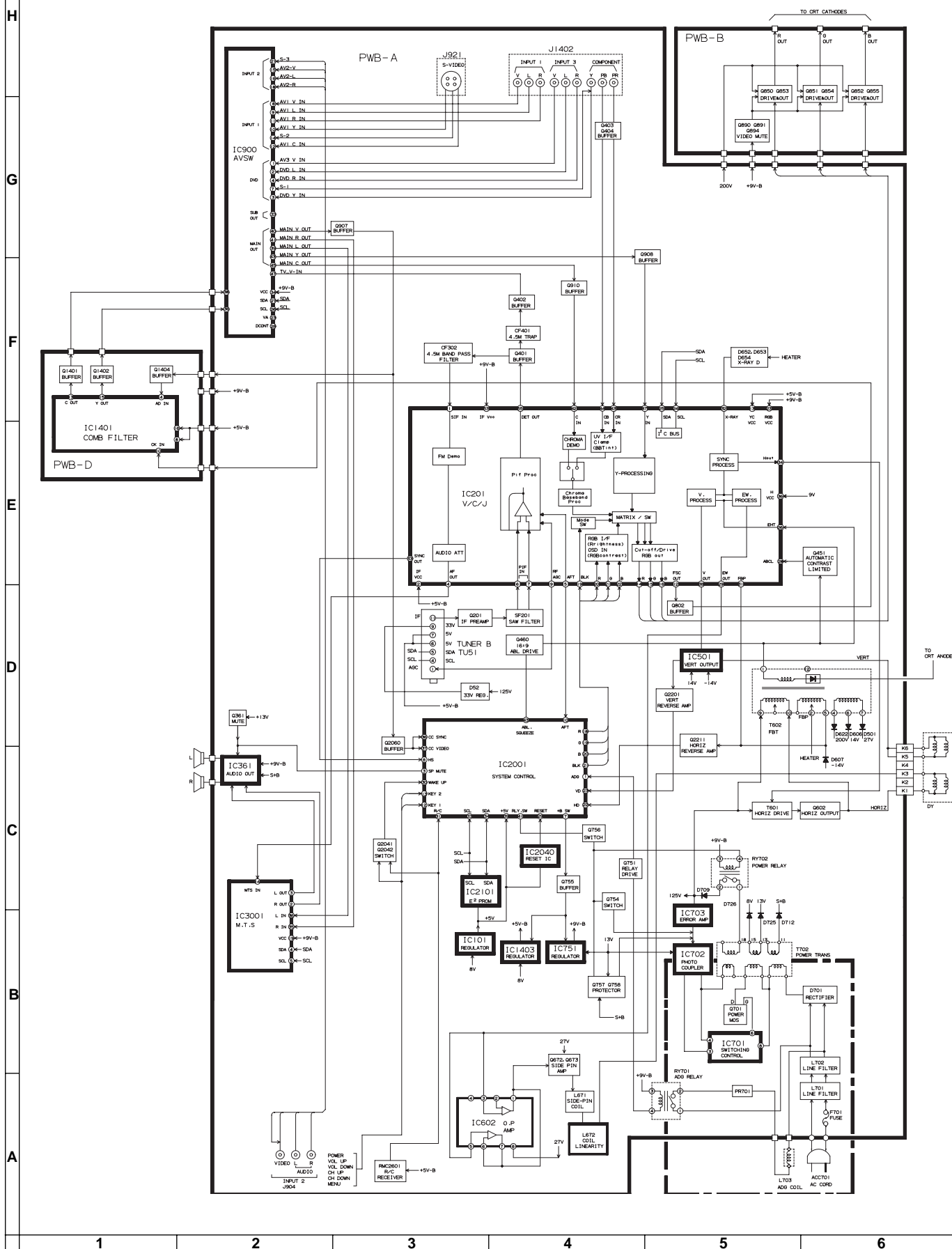
ADJ spec: above 25 dB

CHK spec: above 20 dB

CHASSIS LAYOUT



BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
4. (G) indicates $\pm 2\%$ tolerance may be used.
5. \nmid indicates line isolated ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with 1000 μ V B & W or Color signal.

WAVEFORM MEASUREMENT CONDITIONS:

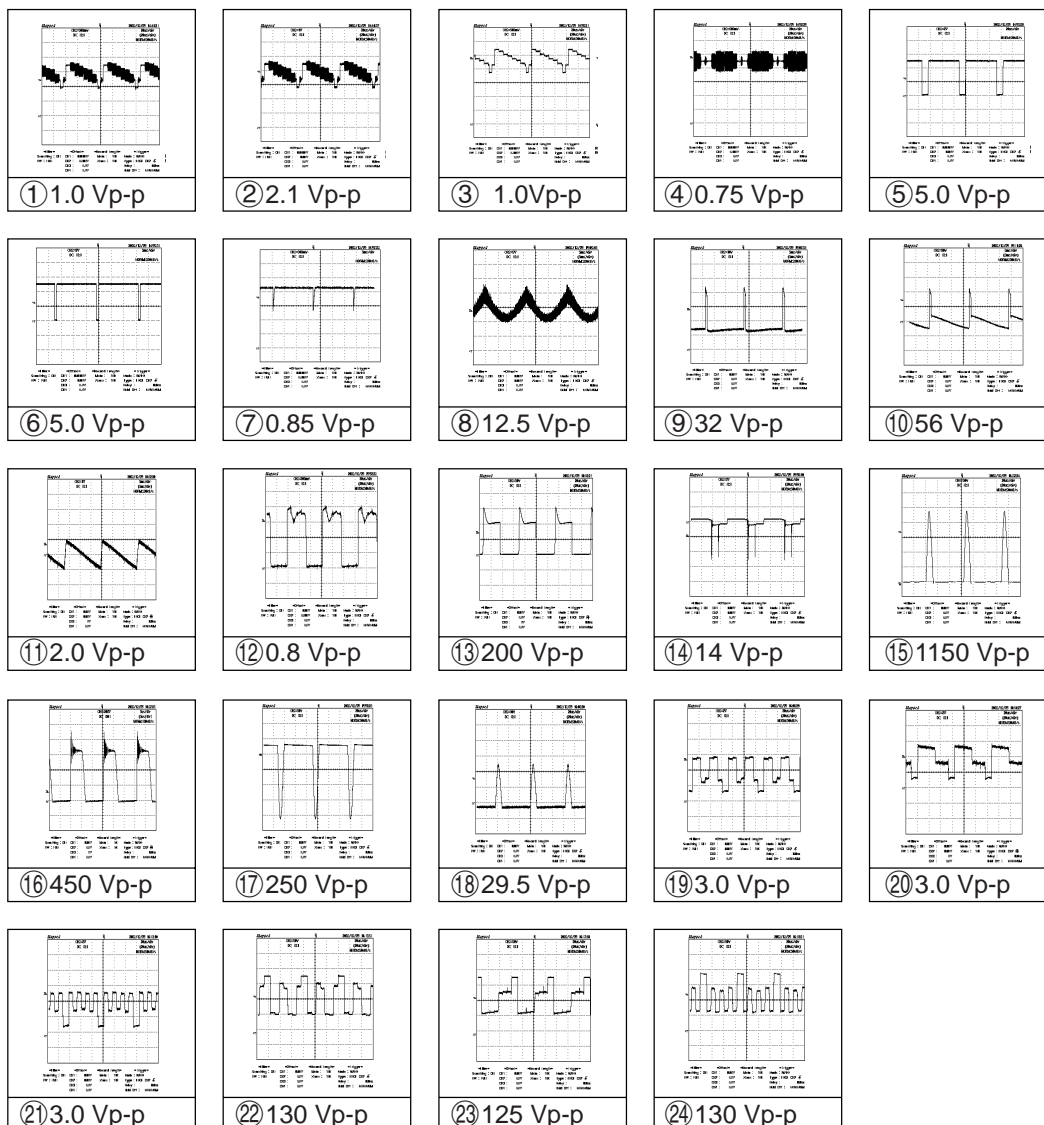
1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2. \bigcirc indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

\triangle AND SHADED () COMPONENTS = SAFETY RELATED PARTS.

\blacktriangle MARK= X-RAY RELATED PARTS.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

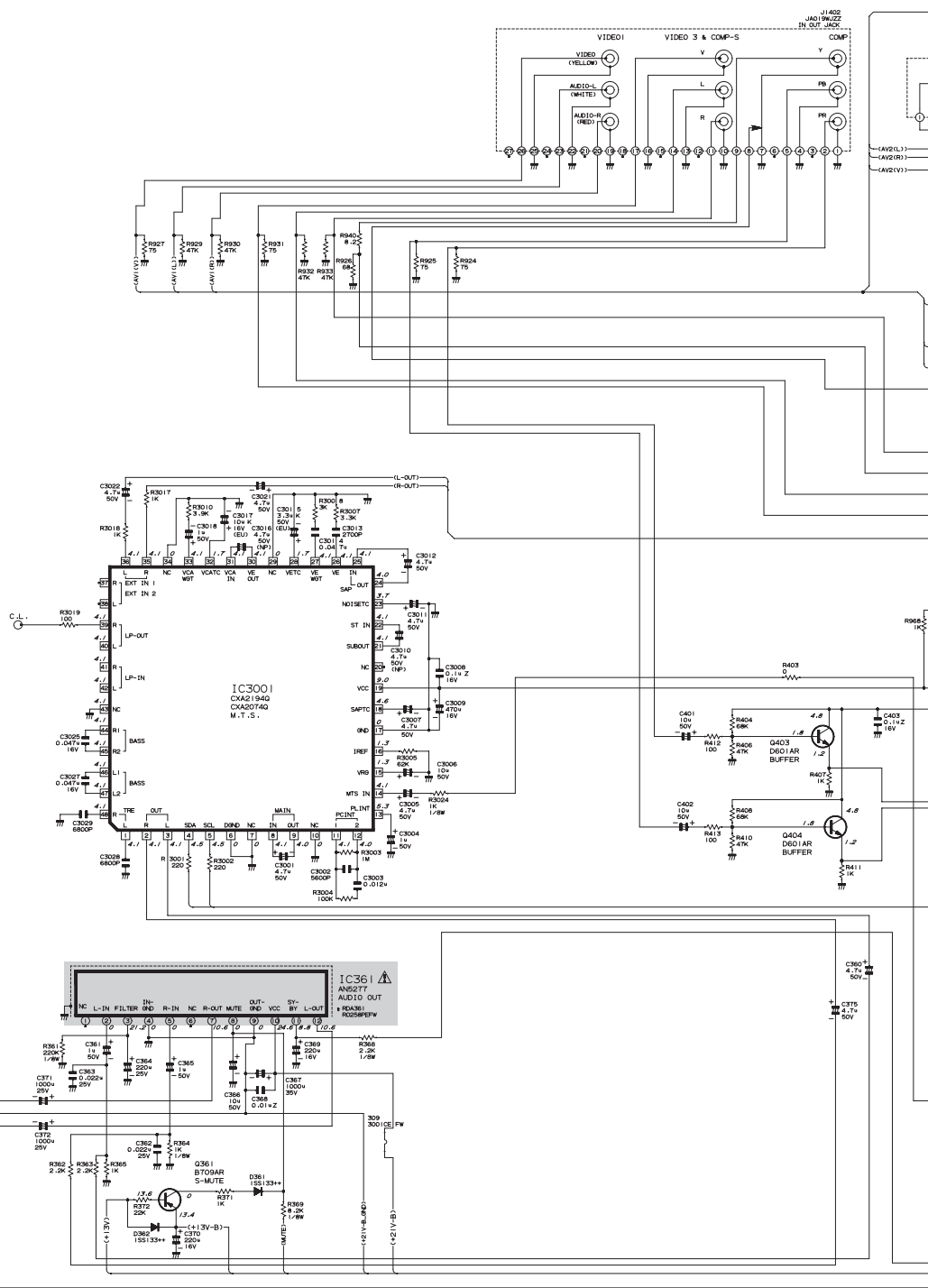
WAVEFORMS

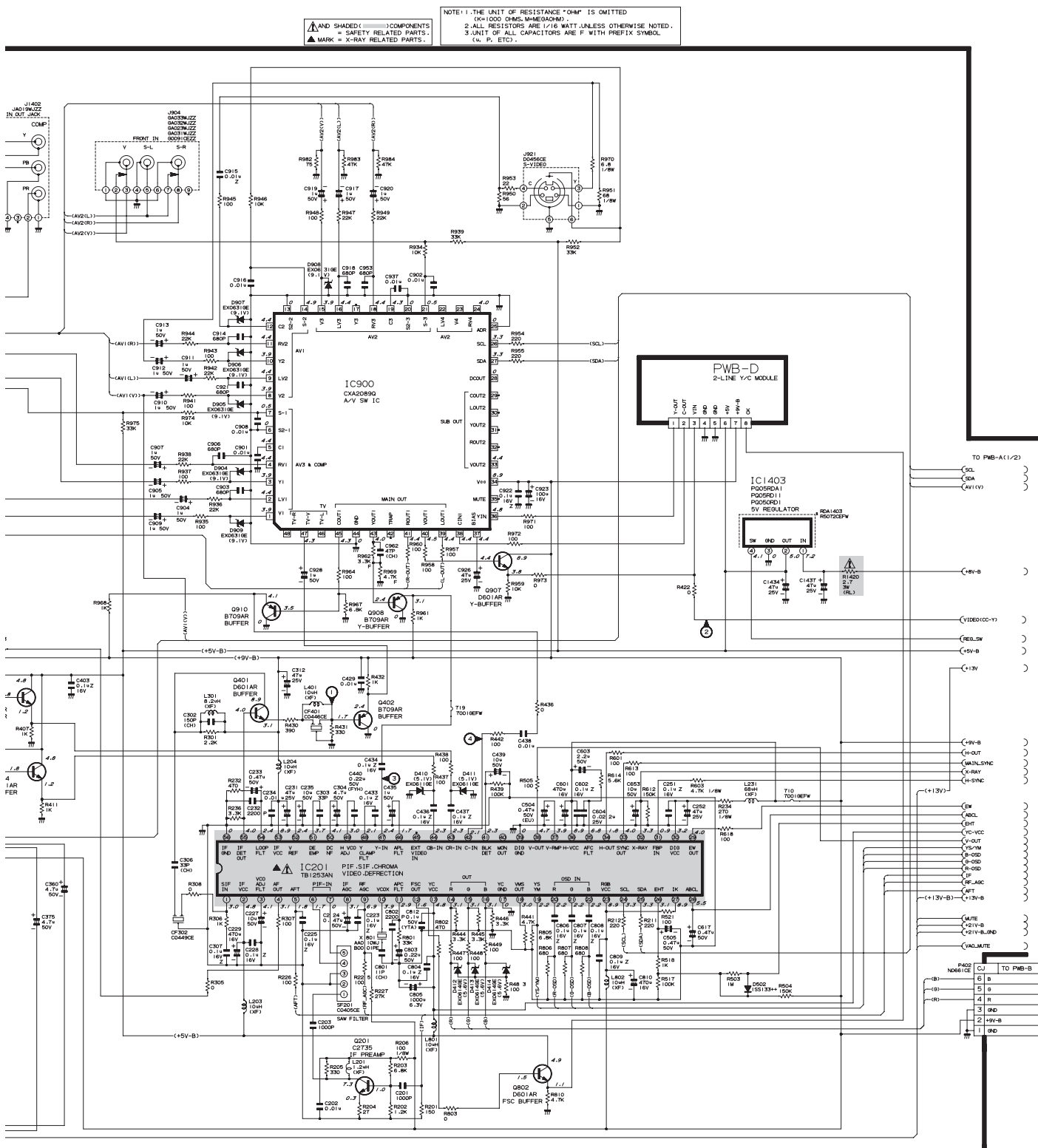


MAIN-2 UNIT

PWB-A(2/2)

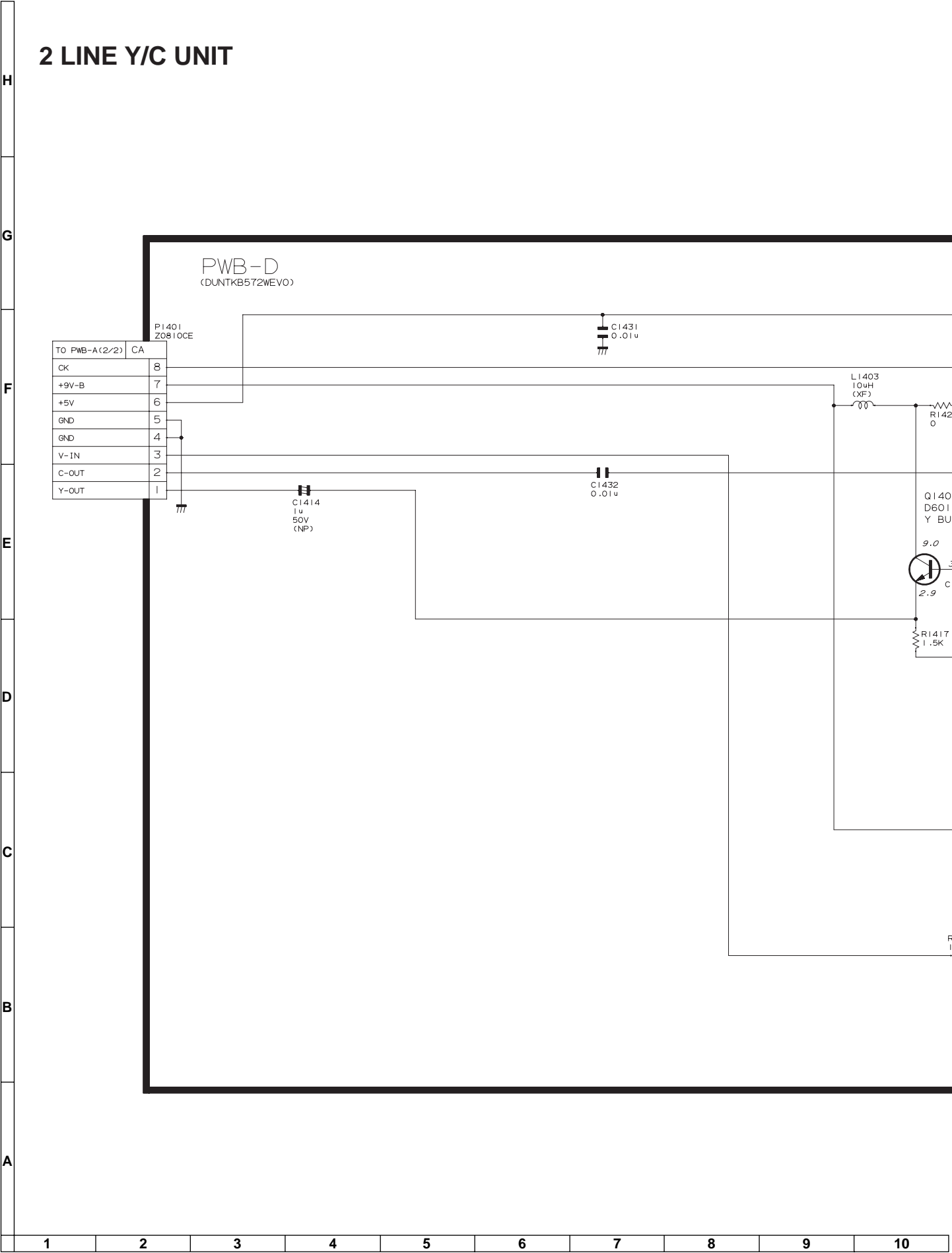
(DUNT KC290MEV3)

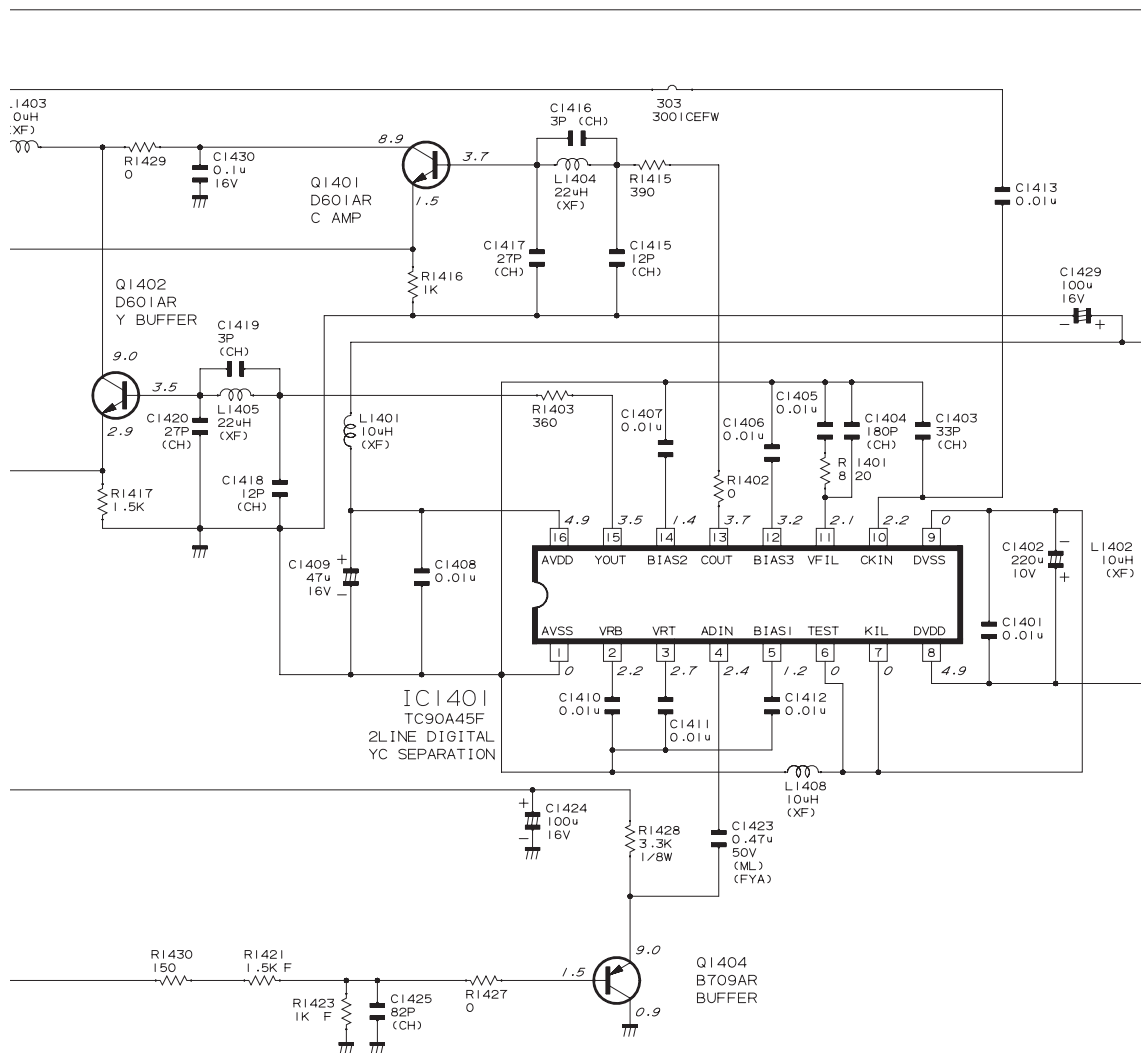




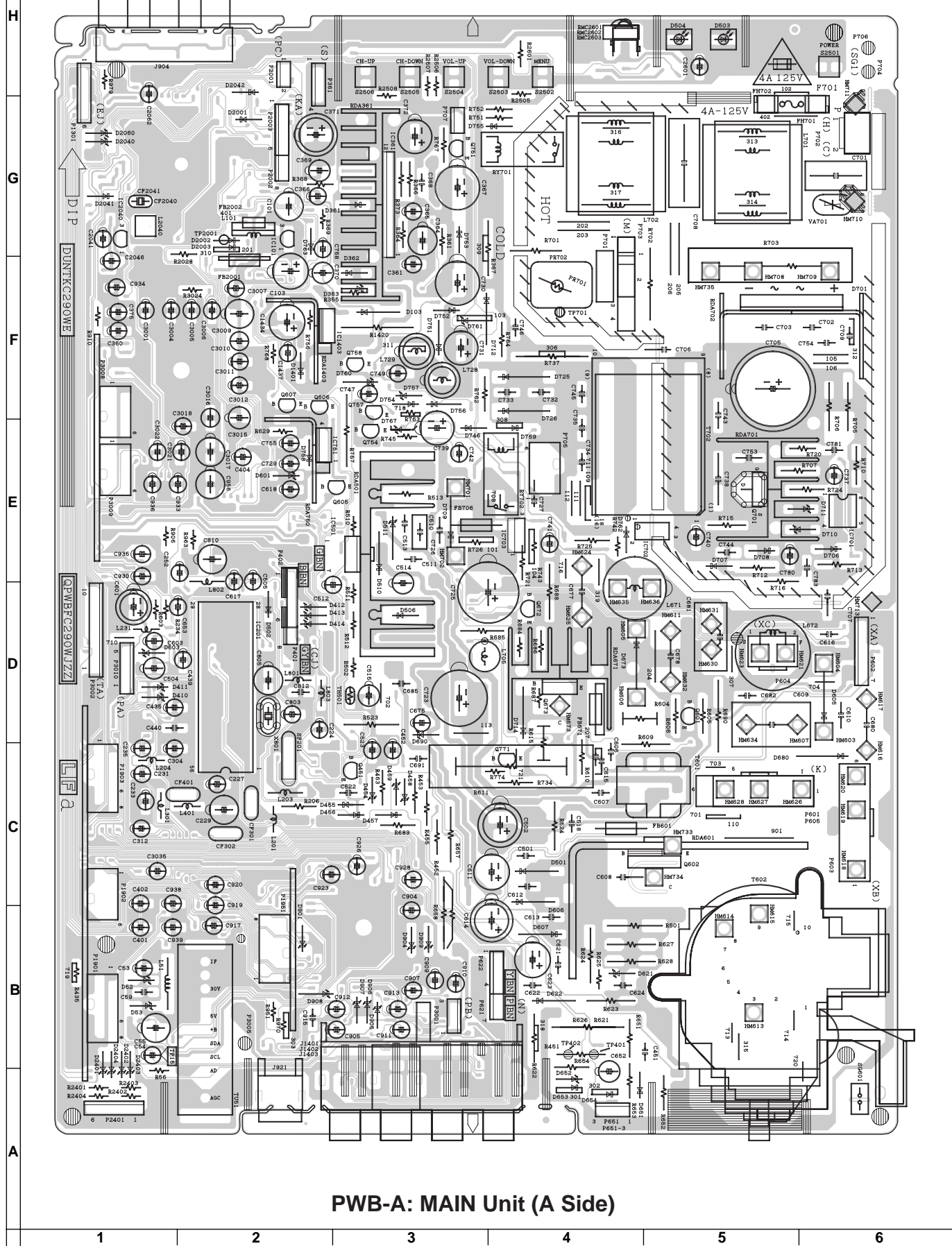
10	11	12	13	14	15	16	17	18	19
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2 LINE Y/C UNIT



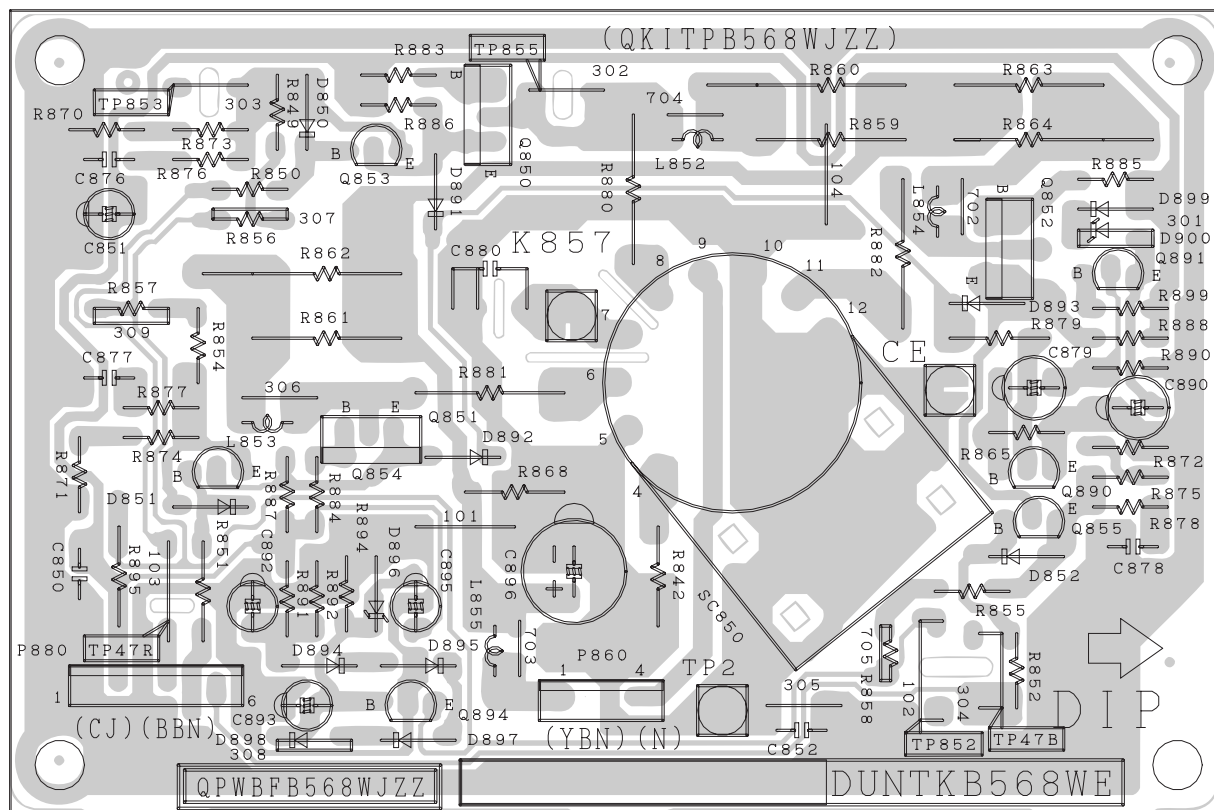


PRINTED WIRING BOARD ASSEMBLIES

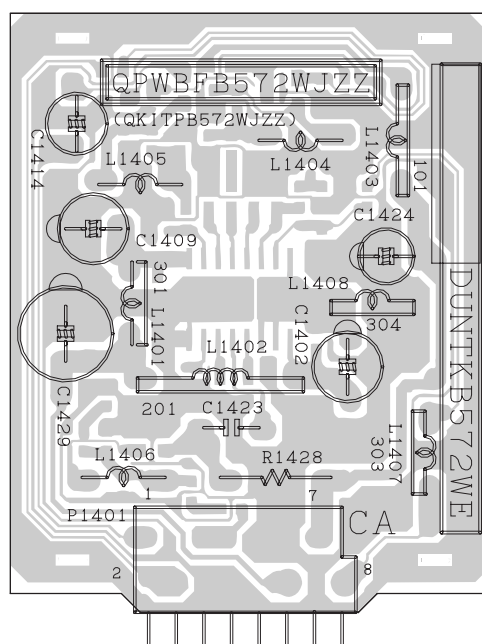


	1	2	3	4	5	6
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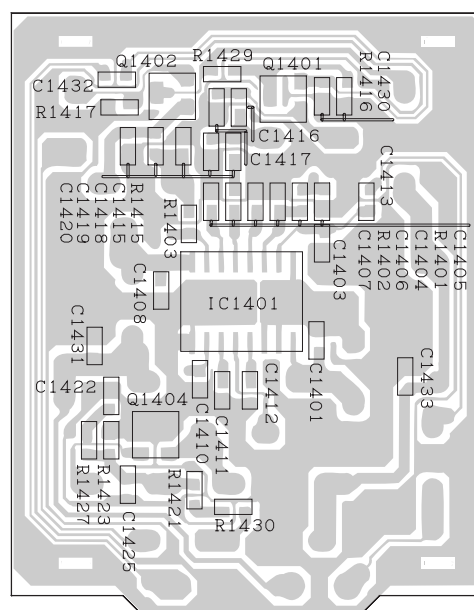
A	B	C	D	E	F	G	H
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PWB-B: CRT Unit (Wiring Side)




PWB-D: 2 LINE Y/C Unit (Wiring Side)



PWB-D: 2 LINE Y/C Unit (Chip Parts Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual ; electrical components having such features are identified by  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"




To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X-RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
PICTURE TUBE				
	VB80AEJ15X/1E	X	Picture Tube	CK
 L703	RCiLGA045WJZZ	X	Degaussing Coil	AM
	QEARC3102MEZZ	X	Ground-Part	AD

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

PWB-A DUNTKC290WEV3	—	MAIN Unit	—
PWB-B DUNTKB568WEV1	—	CRT Unit	—
PWB-D DUNTKB572WEV0	—	2 LINE Y/C Unit	—

Ref. No. Part No. ★ Description Code





DUNTKC290WEV3 PWB-A MAIN UNIT

TUNER



NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENDENTLY

 TU51 VTUVT1T5UF202 X VHF Tuner AP




INTEGRATED CIRCUITS

IC101	VHiPQ050ES1-1+	X	PQ050ES1MXP	AB
 IC201	VHiTB1253AN-1	X	TB1253AN	AP
 IC361	VHiAN5277/-1	X	AN5277	AG
 IC501	VHiTDA8177+-1	X	TDA8177	AE
IC602	VHiBA15218F2EY	X	BA15218F-E2	AB
 IC701	VHiTEA1533A-1	X	TEA1533AP	AE
 IC702	RH-FXA003WJZZ	X	PC123Y82	AB
 IC703	VHiSE125N++-F	X	SE125N	AD
IC751	VHiPQ09RDA1-1	X	PQ090RDA1SZ	AD
IC900	VHiCXA2089Q-2Y	X	CXA2089Q-6T	AK
IC1403	VHiPQ05RDA1-1	X	PQ050RDA1SZ	AD
IC2001	RH-iXA418WJZZQ	X	TMP88CS38BFG	AN
IC2040	VHiKiA7045A-1+	X	KIA7045AP	AB
IC2101	VHiBR24L16F-1Y	X	BR24L16F-WE2	AC
IC3001	VHiCXA2194Q-1Y	X	CXA2194Q/-T6	AP

TRANSISTORS

Q201	VS2SC2735//1EY	X	2SC2735	AB
Q361	VS2SB709AR/-1Y	X	2SB709AR	AB
Q401	VS2SD601AR/-1Y	X	2SD601AR	AB
Q402	VS2SB709AR/-1Y	X	2SB709AR	AB
Q403	VS2SD601AR/-1Y	X	2SD601AR	AB
Q404	VS2SD601AR/-1Y	X	2SD601AR	AB
Q451	VS2SA1266-Y-1+	X	2SA1266-Y	AB
Q460	VSRT1N441C/-1Y	X	RT1N441C	AB
Q601	VS2SC2482//1+	X	2SC2482	AB
 Q602	VS2SD2646++1E	X	2SD2646++	AG
Q672	VS2SA1266-Y-1+	X	2SA1266-Y	AB
Q673	VS2SD1830//1E	X	2SD1830	AD
 Q701	VSSPA11N603-1	X	SPA11N603	AK
Q751	VS2SC3198-G-1+	X	2SC3198-G	AB
Q754	VS2SC3198-G-1+	X	2SC3198-G	AB
Q755	VS2SD601AR/-1Y	X	SD601AR	AB
Q756	VS2SD601AR/-1Y	X	SD601AR	AB
Q757	VS2SC3198-G-1+	X	2SC3198-G	AB
Q758	VS2SA1266-Y-1+	X	2SA1266-Y	AB
Q802	VS2SD601AR/-1Y	X	2SD601AR	AB
Q907	VS2SD601AR/-1Y	X	2SD601AR	AB
Q908	VS2SB709AR/-1Y	X	2SB709AR	AB
Q910	VS2SB709AR/-1Y	X	2SB709AR	AB
Q2041	VS2SB709AR/-1Y	X	2SB709AR	AB
Q2042	VS2SB709AR/-1Y	X	2SB709AR	AB
Q2060	VS2SD601AR/-1Y	X	2SD601AR	AB
Q2201	VS2SD601AR/-1Y	X	2SD601AR	AB
Q2211	VS2SD601AR/-1Y	X	2SD601AR	AB

DIODES AND LED'S

D52	RH-EX0676GEZZY	X	Zener Diode, 32V	AB
D103	RH-DX0441CEZZY	X	DX0441CE	AB
D361	VHD1SS133++-1Y	X	1SS133++	AA
D362	VHD1SS133++-1Y	X	1SS133++	AA
D410	RH-EX0611GEZZY	X	Zener Diode, 5.1V	AB
D411	RH-EX0611GEZZY	X	Zener Diode, 5.1V	AB
D412	RH-EX0614GEZZY	X	Zener Diode, 5.6V	AB
D413	RH-EX0614GEZZY	X	Zener Diode, 5.6V	AB
D414	RH-EX0614GEZZY	X	Zener Diode, 5.6V	AB
D454	RH-EX0628GEZZY	X	Zener Diode, 8.2V	AB
D455	VHD1SS133++-1Y	X	1SS133++	AA
D501	RH-DX0302CEZZY	X	DX0302CE	AB
D502	VHD1SS133++-1Y	X	1SS133++	AA
D510	RH-DX0441CEZZY	X	DX0441CE	AB
 D605	RH-DX0255CEZZ	X	DX0255CE	AD
 D606	RH-DX0302CEZZY	X	DX0302CE	AB
D607	RH-DX0471CEZZY	X	DX0471CE	AB
D621	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
 D622	RH-DX0131CEZZY	X	DX0131CE	AB

Ref. No.	Part No.	★	Description	Code
▲ D651	VHD1SS244//1Y	X	1SS244	AB
▲ D652	RH-EX0641GEZZY	X	Zener Diode, 12V	AB
▲ D653	VHD1SS133+++1Y	X	1SS133++	AA
▲ D654	VHD1SS133+++1Y	X	1SS133++	AA
▲ D673	RH-DXA006WJZZ	X	DXA006WJ	AB
▲ D701	RH-DX0477CEZZ	X	DX0477CE	AD
D706	VHD1SS133+++1Y	X	1SS133++	AA
D707	VHD1SS244//1Y	X	1SS244	AB
D708	VHD1SS244//1Y	X	1SS244	AB
▲ D709	RH-DXA006WJZZ	X	DXA006WJ	AB
D710	RH-EX0650GEZZY	X	Zener Diode, 16V	AB
D711	RH-EX0655GEZZY	X	Zener Diode, 20V	AB
D712	RH-DX0468CEZZ	X	DX0468CE	AB
D725	RH-DX0302CEZZY	X	DX0302CE	AB
D726	RH-DX0461CEZZ	X	DX0461CE	AB
D746	VHD1SS133+++1Y	X	1SS133++	AA
D751	VHD1SS133+++1Y	X	1SS133++	AA
D752	VHD1SS133+++1Y	X	1SS133++	AA
D753	VHD1SS133+++1Y	X	1SS133++	AA
D754	VHD1SS133+++1Y	X	1SS133++	AA
D755	VHD1SS133+++1Y	X	1SS133++	AA
D756	VHD1SS133+++1Y	X	1SS133++	AA
D757	RH-EX0624GEZZY	X	Zener Diode, 7.5V	AB
D759	VHD1SS133+++1Y	X	1SS133++	AA
D761	RH-EX0611GEZZY	X	Zener Diode, 5V	AB
D763	VHD1SS133+++1Y	X	1SS133++	AA
D767	RH-EX0637GEZZY	X	Zener Diode, 11V	AB
D904	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D905	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D906	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D907	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D908	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D909	RH-EX0631GEZZY	X	Zener Diode, 9.1V	AB
D2001	VHD1SS133+++1Y	X	1SS133++	AA
D2040	RH-EX0619GEZZY	X	Zener Diode, 6.2V	AB
D2041	VHD1SS133+++1Y	X	1SS133++	AA
D2042	VHD1SS133+++1Y	X	1SS133++	AA
D2060	RH-EX0619GEZZY	X	Zener Diode, 6.2V	AB
TH501	RH-HZ0004GEZZ+	X	Thermistor	AB
▲ VA701	RH-VXA009WJZZ	X	Varistor	AB

PACKAGED CIRCUITS

▲ PR701	RMPTP0092CEZZ	X	Packaged Circuit	AD
▲ R701	RR-DZ0049CEZZY	X	Resistor	AB
X801	RCRSAA010WJZZ	X	Crystal	AC

FILTERS

CF302	RFiLC0449CEZZ+	X	Filter	AB
CF401	RFiLC0446CEZZ+	X	Filter	AB
SF201	RFiLC0405CEZZ	X	Filter	AD

COILS

L51	VP-CF100K0000Y	X	Peaking, 10μH	AB
L201	VP-XF1R2K0000Y	X	Peaking, 1.2μH	AB
L203	VP-XF100K0000Y	X	Peaking, 10μH	AB
L204	VP-XF100K0000Y	X	Peaking, 10μH	AB
L231	VP-XF680K0000Y	X	Peaking, 68μH	AB
L301	VP-XF8R2K0000Y	X	Peaking, 8.2μH	AB
L401	VP-XF100K0000Y	X	Peaking, 10μH	AB
L671	RCiLZ1005CEZZ	X	Coil	AD
L672	RCiLZ1027CEZZ	X	Coil	AD
▲ L701	RCiLF0345CEZZ	X	Coil	AC
▲ L702	RCiLF0345CEZZ	X	Coil	AC
L705	RCiLP0179CEZZ+	X	Coil	AB
L728	RCiLP0179CEZZ+	X	Coil	AB
L729	RCiLP0179CEZZ+	X	Coil	AB
L801	VP-XF100K0000Y	X	Peaking, 10μH	AB
L802	VP-XF100K0000Y	X	Peaking, 10μH	AB
L2040	RCiLBA007WJZZ	X	Oscillation Coil	AB

TRANSFORMERS

▲ T601	RTRNZ0057PEZZ	X	Transformer	AD
▲ T602	RTRNFA038WJZZ	X	H-Volt Transformer	AU
▲ T702	RTRNWA071WJZZ	X	Transformer	AG

CAPACITORS

C53	VCEA0A1HW105M+X	1	50V	Electrolytic	AB
C54	VCEA0A1HW475M+X	4.7	50V	Electrolytic	AB
C55	VCEA0A0JW108M+X	1000	6.3V	Electrolytic	AB
C58	VCKYCY1HF103ZY X	0.01	50V	Ceramic	AA
C59	VCKYPA1HF103Z+ X	0.01	50V	Ceramic	AA
C101	VCEA0A0JW108M+X	1000	6.3V	Electrolytic	AB
C103	VCEA0A1CW108M+X	1000	16V	Electrolytic	AB
C201	VCKYCY1HB102KY X	1000p	50V	Ceramic	AA
C202	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C203	VCKYCY1HB102KY X	1000p	50V	Ceramic	AA
C223	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C224	VCEA0A1HW474M+X	0.47	50V	Electrolytic	AB
C225	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C227	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C228	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C229	VCEA0A1CW477M+X	470	16V	Electrolytic	AB
C231	VCEA0A1EW476M+X	47	25V	Electrolytic	AB
C232	VCKYCY1HB222KY X	2200p	50V	Ceramic	AA
C233	VCEA0A1HW474M+X	0.47	50V	Electrolytic	AB
C234	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C235	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C251	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C252	VCEA0A1EW476M+X	47	25V	Electrolytic	AB
C302	VCCCCY1HH151JY X	150p	50V	Ceramic	AA
C303	VCCCCY1HH330JY X	33p	50V	Ceramic	AA
C304	VCEA0A1HW475M+X	4.7	50V	Electrolytic	AB
C306	VCCCCY1HH330JY X	33p	50V	Ceramic	AA
C307	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C312	VCEA0A1EW476M+X	47	25V	Electrolytic	AB
C360	VCEA0A1HW475M+X	4.7	50V	Electrolytic	AB
C361	VCEA0A1HW105M+X	1	50V	Electrolytic	AB
C362	VCKYCY1EB223KY X	0.022	25V	Ceramic	AA
C363	VCKYCY1EB223KY X	0.022	25V	Ceramic	AA
C364	VCEA0A1EW227M+X	220	25V	Electrolytic	AB
C365	VCEA0A1HW105M+X	1	50V	Electrolytic	AB
C366	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C367	VCEA0A1VW108M+X	1000	35V	Electrolytic	AB
C368	VCKYPA1HF103Z+ X	0.01	50V	Ceramic	AA
C369	VCEA0A1CW227M+X	220	16V	Electrolytic	AB
C370	VCEA0A1CW227M+X	220	16V	Electrolytic	AB
C371	VCEA0A1EW108M+X	1000	25V	Electrolytic	AB
C372	VCEA0A1EW108M+X	1000	25V	Electrolytic	AB
C373	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C375	VCEA0A1HW475M+X	4.7	50V	Electrolytic	AB
C401	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C402	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C403	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C429	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C433	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C434	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C435	VCEA0A1HW105M+X	1	50V	Electrolytic	AB
C436	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C437	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA
C438	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C439	VCEA0A1HW106M+X	10	50V	Electrolytic	AB
C440	VCYFA1HA224J+ X	0.22	50V	Mylar	AB
C451	VCQYTA2AA104K+ X	0.1	100V	Mylar	AB
C452	VCEA0A1EW336M+X	33	25V	Electrolytic	AB
C501	VCKYPA2HB102K+ X	1000p	500V	Ceramic	AB
C502	VCEA0A1VW477M+X	470	35V	Electrolytic	AB
C504	VCEACA1HC474M+X	0.47	50V	Electrolytic	AB
C505	VCEA0A1HW474M+X	0.47	50V	Electrolytic	AB
C506	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C507	VCKYCY1HB103KY X	0.01	50V	Ceramic	AA
C510	RC-FZ0272CEZZ+ X	0.39	100V	Mylar	AB
C511	VCCSPA2HL7R0D+ X	7p	500V	Ceramic	AB
C512	VCEA0A1EW476M+X	47	25V	Electrolytic	AB
C514	VCEA0A1VW107M+X	100	35V	Electrolytic	AB
C516	VCKYCY1HB472KY X	4700p	50V	Ceramic	AA
C517	VCKYCY1HF103ZY X	0.01	50V	Ceramic	AA
C518	VCQYTA2AA473J+ X	0.047	100V	Mylar	AB
C522	VCYFA1HA334J+ X	0.33	50V	Mylar	AB
C523	VCEA0A1HW105M+X	1	50V	Electrolytic	AB
C601	VCEA0A1CW477M+X	470	16V	Electrolytic	AB
C602	VCKYCY1CF104ZY X	0.1	16V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
C603	VCEA0A1HW225M+X	2.2	50V Electrolytic	AB	C812	VCQYTA1HM104J+ X	0.1	50V Mylar	AB
C604	VCKYCY1EB223KY X	0.022	25V Ceramic	AA	C901	VCKYCY1HB103KY X	0.01	50V Ceramic	AA
C606	VCKYPA2HB561K+ X	560p	500V Ceramic	AB	C902	VCKYCY1HB103KY X	0.01	50V Ceramic	AA
C607	VCKYPA1HB472K+ X	4700p	50V Ceramic	AB	C903	VCKYCY1HB681KY X	680p	50V Ceramic	AA
C608	RC-KZ0033CEZZ X	150p	2kV Ceramic	AB	C904	VCEA0A1HW105M+X	1	50V Electrolytic	AB
▲△ C609	VCFPVC3ZA203H X	0.02	1500V Metallized Polypro Film	AB	C905	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C611	VCEA0A1EW477M+X	470	25V Electrolytic	AB	C906	VCKYCY1HB681KY X	680p	50V Ceramic	AA
C614	VCEA0A1EW108M+X	1000	25V Electrolytic	AB	C907	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C615	VCFSB2EB823J X	0.082	250V Mylar	AB	C908	VCKYCY1HB103KY X	0.01	50V Ceramic	AA
C616	VCKYPA2HB471K+ X	470p	500V Ceramic	AB	C909	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C617	VCEA0A1HW474M+X	0.47	50V Electrolytic	AB	C910	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C622	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C911	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C623	VCEA4A2EN106M+ X	10	250V Electrolytic	AB	C912	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C652	VCEA0A1HW476M+X	47	50V Electrolytic	AB	C913	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C653	VCEA0A1HW106M+X	10	50V Electrolytic	AB	C914	VCKYCY1HB681KY X	680p	50V Ceramic	AA
C671	VCKYCY1HF103ZY X	0.01	50V Ceramic	AA	C915	VCKYPA1HF103Z+ X	0.01	50V Ceramic	AA
C674	VCKYCY1HB391KY X	390p	50V Ceramic	AA	C916	VCKYCY1HB103KY X	0.01	50V Ceramic	AA
C675	VCEA0A1HW106M+X	10	50V Electrolytic	AB	C917	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C677	RC-FZ0377CEZZ X	4.7	63V Mylar	AC	C918	VCKYCY1HB681KY X	680p	50V Ceramic	AA
▲△ C678	VCQPCU2GA563J X	0.056	400V Plastic Film	AB	C919	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C681	VCFFPA2EB684J X	0.68	250V Metallized Polypro Film	AB	C920	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C682	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C921	VCKYCY1HB681KY X	680p	50V Ceramic	AA
C685	VCQYTA1HM333J+ X	0.033	50V Mylar	AB	C922	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C691	VCQYTA1HM682J+ X	6800p	50V Mylar	AB	C923	VCEA0A1CW107M+X	100	16V Electrolytic	AB
△ C701	RC-FZA022WJZZ X	0.22	AC250V	AB	C926	VCEA0A1EW476M+X	47	25V Electrolytic	AB
C702	RC-KZ0029CEZZ+ X	0.01	AC250V Ceramic	AB	C928	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C703	RC-KZ0029CEZZ+ X	0.01	AC250V Ceramic	AB	C937	VCKYCY1HB103KY X	0.01	50V Ceramic	AA
△ C705	RC-EZ0720CEZZ X	680	200V Electrolytic	AF	C953	VCKYCY1HB681KY X	680p	50V Ceramic	AA
△ C706	RC-KZ0089GEZZA X	0.001	AC250V Ceramic	AB	C962	VCCCCY1HH470JY X	47p	50V Ceramic	AA
△ C707	RC-KZ0092GEZZA X	0.0033	AC250V Ceramic	AB	C1434	VCEA0A1EW476M+X	47	25V Electrolytic	AB
△ C723	RC-EZ0724CEZZ X	100	160V Electrolytic	AC	C1437	VCEA0A1EW476M+X	47	25V Electrolytic	AB
△ C725	RC-EZA065WJZZ X	330	160V Electrolytic	AE	C2001	VCCCCY1HH101JY X	100p	50V Ceramic	AA
C726	RC-KZ0226CEZZ+ X	560p	2kV Ceramic	AB	C2002	VCKYCY1HF103ZY X	0.01	50V Ceramic	AA
C727	RC-KZ0226CEZZ+ X	560p	2kV Ceramic	AB	C2025	VCCCCY1HH101JY X	100p	50V Ceramic	AA
C729	VCEA0A1HW106M+X	10	50V Electrolytic	AB	C2040	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C730	VCEA0A1VW108M+X	1000	35V Electrolytic	AB	C2041	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C731	RC-EZ0385CEZZ+ X	1000	16V Electrolytic	AB	C2043	VCCCCY1HH331JY X	330p	50V Ceramic	AB
C732	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C2044	VCCCCY1HH100DYX	10p	50V Ceramic	AA
C733	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C2046	VCEA0A1EW476M+X	47	25V Electrolytic	AB
C734	VCKYPA2HB471K+ X	470p	500V Ceramic	AB	C2047	VCKYCY1CB473KY X	0.047	16V Ceramic	AA
C735	VCKYPA2HB471K+ X	470p	500V Ceramic	AB	C2060	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C736	VCKYCY1HF103ZY X	0.01	50V Ceramic	AA	C2061	VCCCCY1HH101JY X	100p	50V Ceramic	AA
C737	VCEA0A1HW226M+X	22	50V Electrolytic	AB	C2062	VCEA0A1CW107M+X	100	16V Electrolytic	AB
C738	VCFPVC3CA102H X	1000p	1.25kV Metallized Polypro Film	AB	C2063	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C739	RC-EZ0385CEZZ+ X	1000	16V Electrolytic	AB	C2064	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C740	VCEA0A1HW476M+X	47	50V Electrolytic	AB	C2201	VCKYCY1HB681KY X	680p	50V Ceramic	AA
C741	VCEA4A2AN105M+ X	1	100V Electrolytic	AB	C2202	VCCCCY1HH330JY X	33p	50V Ceramic	AA
C742	VCEA0A1HW226M+X	22	50V Electrolytic	AB	C2601	VCEA0A1EW476M+X	47	25V Electrolytic	AB
C743	RC-KZ0036CEZZ+ X	330p	2kV Ceramic	AB	C2602	VCCCCY1HH101JY X	100p	50V Ceramic	AA
C744	VCKYPA2HB471K+ X	470p	500V Ceramic	AB	C3001	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C745	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C3002	VCKYCY1HB562KY X	5600p	50V Ceramic	AA
C746	VCKYPA2HB102K+ X	1000p	500V Ceramic	AB	C3003	VCKYCY1EB123KY X	0.012	25V Ceramic	AA
C747	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB	C3004	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C750	VCKYCY1HF103ZY X	0.01	50V Ceramic	AA	C3005	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C753	RC-KZ0036CEZZ+ X	330p	2kV Ceramic	AB	C3006	VCEA0A1HW106M+X	10	50V Electrolytic	AB
C754	VCKYPA2HB472K+ X	4700p	500V Ceramic	AB	C3007	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C755	VCEA0A1EW476M+X	47	25V Electrolytic	AB	C3008	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA
C758	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB	C3009	VCEA0A1CW477M+X	470	16V Electrolytic	AB
C780	VCEA0A1HW226M+X	22	50V Electrolytic	AB	C3010	VCE9GA1HW475M+X	4.7	50V Electrolytic	AB
C781	VCFYFA1HA105J+ X	1	50V Ceramic	AA	C3011	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C782	VCKYCY1HB102KY X	1000p	50V Ceramic	AA	C3012	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C783	VCQYTA1HM103J+ X	0.01	50V Mylar	AB	C3013	VCKYCY1HB272KY X	2700p	50V Ceramic	AA
C784	VCKYCY1HF103ZY X	0.01	50V Ceramic	AA	C3014	VCKYCY1CB473KY X	0.047	16V Ceramic	AA
C801	VCCCCY1HH110JY X	11p	50V Ceramic	AA	C3015	VCEACA1HC335K+ X	3.3	50V Electrolytic	AB
C802	VCKYCY1HB222KY X	2200p	50V Ceramic	AA	C3016	VCE9GA1HW475M+X	4.7	50V Electrolytic	AB
C803	VCEA0A1HW224M+X	0.22	50V Electrolytic	AB	C3017	VCEACA1CC106K+ X	10	16V Electrolytic	AB
C804	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA	C3018	VCEA0A1HW105M+X	1	50V Electrolytic	AB
C805	VCEA0A0JW108M+ X	1000	6.3V Electrolytic	AB	C3021	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C806	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA	C3022	VCEA0A1HW475M+X	4.7	50V Electrolytic	AB
C807	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA	C3025	VCKYCY1CB473KY X	0.047	16V Ceramic	AA
C808	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA	C3027	VCKYCY1CB473KY X	0.047	16V Ceramic	AA
C809	VCKYCY1CF104ZY X	0.1	16V Ceramic	AA	C3028	VCKYCY1HB682KY X	6800p	50V Ceramic	AA
C810	VCEA0A1CW477M+X	470	16V Electrolytic	AB	C3029	VCKYCY1HB682KY X	6800p	50V Ceramic	AA

RESISTORS

RJ1 VRS-CY1JF000JY X 0 1/16W Metal Oxide AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
RJ7	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R437	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ8	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R438	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ9	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R439	VRS-CY1JF104JY	X 100k	1/16W Metal Oxide	AA
RJ10	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R441	VRS-CY1JF472JY	X 4.7k	1/16W Metal Oxide	AA
RJ11	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R442	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ12	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R444	VRS-CY1JF332JY	X 3.3k	1/16W Metal Oxide	AA
RJ14	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R445	VRS-CY1JF332JY	X 3.3k	1/16W Metal Oxide	AA
RJ15	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R446	VRS-CY1JF332JY	X 3.3k	1/16W Metal Oxide	AA
RJ16	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R447	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ17	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R448	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ19	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R449	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ20	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	△ R451	VRS-RG3AB103J+	X 10k	1W Metal Oxide	AB
RJ21	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R452	VRD-RM2HD473JY	X 47k	1/2W Carbon	AA
RJ22	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R453	VRD-RM2HD183JY	X 18k	1/2W Carbon	AA
RJ23	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R454	VRS-CY1JF471JY	X 470	1/16W Metal Oxide	AA
RJ24	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R455	VRD-RM2HD274JY	X 270k	1/2W Carbon	AA
RJ25	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R456	VRS-CY1JF103JY	X 10k	1/16W Metal Oxide	AA
RJ30	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R460	VRS-CY1JF471JY	X 470	1/16W Metal Oxide	AA
RJ33	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R461	VRS-CY1JF562JY	X 5.6k	1/16W Metal Oxide	AA
RJ36	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R462	VRS-CY1JF223JY	X 22k	1/16W Metal Oxide	AA
RJ38	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R463	VRD-RA2EE680JY	X 68	1/4W Carbon	AA
RJ39	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R464	VRS-CY1JF683JY	X 68k	1/16W Metal Oxide	AA
RJ40	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R467	VRS-CY1JF123JY	X 12k	1/16W Metal Oxide	AA
RJ42	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R483	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
RJ45	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	△ R501	VRN-RL3ABR47J+	X 0.47	1W Metal Film	AB
RJ47	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R502	VRN-RA2BK822FY	X 8.2k	1/8W Metal Film	AB
RJ48	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R503	VRS-CY1JF105JY	X 1M	1/16W Metal Oxide	AA
RJ49	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R504	VRS-CY1JF154JY	X 150k	1/16W Metal Oxide	AA
RJ50	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R505	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
R54	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R510	VRN-RA2BK103FY	X 10k	1/8W Metal Film	AB
R55	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R511	VRN-RA2BK222FY	X 2.2k	1/8W Metal Film	AB
R56	VRD-RA2BE823JY	X 82k	1/8W Carbon	AA	R512	VRN-RA2BK272FY	X 2.7k	1/8W Metal Film	AB
R57	VRS-CY1JF473JY	X 47k	1/16W Metal Oxide	AA	R513	VRD-RM2HD1R5JY	X 1.5	1/2W Carbon	AA
R201	VRS-CY1JF151JY	X 150	1/16W Metal Oxide	AA	R517	VRS-CY1JF104JY	X 100k	1/16W Metal Oxide	AA
R202	VRS-CY1JF122JY	X 1.2k	1/16W Metal Oxide	AA	R518	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA
R203	VRS-CY1JF682JY	X 6.8k	1/16W Metal Oxide	AA	R521	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
R204	VRS-CY1JF270JY	X 27	1/16W Metal Oxide	AA	△ R523	VRN-RL3DBR82J+	X 0.82	2W Metal Film	AB
R205	VRS-CY1JF331JY	X 330	1/16W Metal Oxide	AA	△ R524	VRS-RG3AB561J+	X 560	1W Metal Oxide	AB
R206	VRD-RA2BE101JY	X 100	1/8W Carbon	AA	R601	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
R211	VRS-CY1JF221JY	X 220	1/16W Metal Oxide	AA	R603	VRD-RA2BE472JY	X 4.7k	1/8W Carbon	AA
R212	VRS-CY1JF221JY	X 220	1/16W Metal Oxide	AA	△ R604	VRS-KA3NG222J	X 2.2k	7W Metal Oxide	AB
R225	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R605	VRD-RM2HD331JY	X 330	1/2W Carbon	AA
R226	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R606	VRD-RM2HD331JY	X 330	1/2W Carbon	AA
R227	VRS-CY1JF273JY	X 27k	1/16W Metal Oxide	AA	△ R609	VRS-RG3AB562J+	X 5.6k	1W Metal Oxide	AB
R232	VRS-CY1JF471JY	X 470	1/16W Metal Oxide	AA	R610	VRD-RM2HD220JY	X 22	1/2W Carbon	AA
R234	VRD-RA2BE271JY	X 270	1/8W Carbon	AA	△ R611	VRW-KQ41C3R3K	X 3.3	15W Cement	AB
R236	VRS-CY1JF332JY	X 3.3k	1/16W Metal Oxide	AA	R612	VRS-CY1JF154JY	X 150k	1/16W Metal Oxide	AA
R301	VRS-CY1JF222JY	X 2.2k	1/16W Metal Oxide	AA	R613	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
R305	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R614	VRS-CY1JF562JY	X 5.6k	1/16W Metal Oxide	AA
R306	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	R618	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA
R307	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	△ R621	VRN-RL3DB1R2J+	X 1.2	2W Metal Film	AB
R308	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	△ R622	VRN-RL3ABR27J+	X 0.27	1W Metal Film	AB
R355	VRD-RA2BE821JY	X 820	1/8W Carbon	AA	△ R623	VRN-RL3AB4R7J+	X 4.7	1W Metal Film	AB
R361	VRD-RA2BE224JY	X 220k	1/8W Carbon	AA	△ R624	VRS-RG3DB332J+	X 3.3k	2W Metal Oxide	AB
R362	VRS-CY1JF222JY	X 2.2k	1/16W Metal Oxide	AA	R625	VRD-RA2BE102JY	X 1k	1/8W Carbon	AA
R363	VRS-CY1JF222JY	X 2.2k	1/16W Metal Oxide	AA	△ R627	VRN-RL3ABR47J+	X 0.47	1W Metal Film	AB
R364	VRD-RA2BE102JY	X 1k	1/8W Carbon	AA	△ R628	VRN-RL3ABR47J+	X 0.47	1W Metal Film	AB
R365	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	▲ △ R651	VRS-RG2HC270J+	X 27	1/2W Metal Oxide	AB
R368	VRD-RA2BE222JY	X 2.2k	1/8W Carbon	AA	▲ △ R652	VRD-RA2EE103GY	X 10k	1/4W Carbon	AA
R369	VRD-RA2BE822JY	X 8.2k	1/8W Carbon	AA	▲ △ R653	VRD-RA2EE562GY	X 5.6k	1/4W Carbon	AA
R371	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	△ R658	VRS-RG3DB183J+	X 18k	2W Metal Oxide	AB
R372	VRS-CY1JF223JY	X 22k	1/16W Metal Oxide	AA	R663	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA
R403	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R684	VRD-RA2BE472JY	X 4.7k	1/8W Carbon	AA
R404	VRS-CY1JF683JY	X 68k	1/16W Metal Oxide	AA	R685	VRD-RA2BE822JY	X 8.2k	1/8W Carbon	AA
R406	VRS-CY1JF473JY	X 47k	1/16W Metal Oxide	AA	R686	VRD-RA2EE332JY	X 3.3k	1/4W Carbon	AA
R407	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	R687	VRD-RA2BE103JY	X 10k	1/8W Carbon	AA
R408	VRS-CY1JF683JY	X 68k	1/16W Metal Oxide	AA	△ R688	VRN-RL3DB3R3J+	X 3.3	2W Metal Film	AB
R410	VRS-CY1JF473JY	X 47k	1/16W Metal Oxide	AA	R689	VRD-RM2HD824JY	X 820k	1/2W Carbon	AA
R411	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	△ R690	VRS-RG3LB471J+	X 470	3W Metal Oxide	AB
R412	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R691	VRS-CY1JF394JY	X 390k	1/16W Metal Oxide	AA
R413	VRS-CY1JF101JY	X 100	1/16W Metal Oxide	AA	R692	VRS-CY1JF223JY	X 22k	1/16W Metal Oxide	AA
R422	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R693	VRS-CY1JF683JY	X 68k	1/16W Metal Oxide	AA
R430	VRS-CY1JF391JY	X 390	1/16W Metal Oxide	AA	R694	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA
R431	VRS-CY1JF331JY	X 330	1/16W Metal Oxide	AA	R695	VRS-CY1JF683JY	X 68k	1/16W Metal Oxide	AA
R432	VRS-CY1JF102JY	X 1k	1/16W Metal Oxide	AA	R696	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA
R436	VRS-CY1JF000JY	X 0	1/16W Metal Oxide	AA	R697	VRS-CY1JF105JY	X 1M	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
R698	VRS-CY1JF335JY	X	3.3M 1/16W	Metal Oxide AA	R954	VRS-CY1JF221JY	X	220 1/16W	Metal Oxide AA
△ R703	VRW-KQ4AC1R2K	X	1.2 10W	Cement AB	R955	VRS-CY1JF221JY	X	220 1/16W	Metal Oxide AA
△ R705	VRN-RL3DBR15J+	X	0.15 2W	Metal Film AB	R957	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
△ R706	VRN-RL3DBR18J+	X	0.18 2W	Metal Film AB	R958	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R707	VRD-RM2HD270JY	X	27 1/2W	Carbon AA	R959	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA
R708	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA	R960	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R709	VRS-CY1JF393JY	X	39k 1/16W	Metal Oxide AA	R961	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
△ R710	VRS-RG2HC103J+	X	10k 1/2W	Metal Oxide AB	R962	VRS-CY1JF332FY	X	3.3k 1/16W	Metal Oxide AA
R711	VRS-CY1JF334JY	X	330k 1/16W	Metal Oxide AA	R964	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R712	VRD-RM2HD100JY	X	10 1/2W	Carbon AA	R967	VRS-CY1JF682JY	X	6.8k 1/16W	Metal Oxide AA
△ R713	VRS-RG2HC152J+	X	1.5k 1/2W	Metal Oxide AB	R968	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R714	VRS-CY1JF332JY	X	3.3k 1/16W	Metal Oxide AA	R969	VRS-CY1JF472FY	X	4.7k 1/16W	Metal Oxide AA
R715	VRN-RL2HCR56J+	X	0.56 1/2W	Metal Film AB	R970	VRD-RA2BE6R8JY	X	6.8 1/8W	Carbon AA
R716	VRD-RM2HD100JY	X	10 1/2W	Carbon AA	R971	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R720	VRD-RA2BE473JY	X	47k 1/8W	Carbon AA	R972	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R724	VRD-RM2HD101JY	X	100 1/2W	Carbon AA	R973	VRS-CY1JF000JY	X	0 1/16W	Metal Oxide AA
R725	VRD-RM2HD821JY	X	820 1/2W	Carbon AA	R974	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA
R734	VRD-RM2HD124JY	X	120k 1/2W	Carbon AA	R975	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA
△ R737	VRN-RL3DBR56J+	X	0.56 2W	Metal Film AB	R982	VRS-CY1JF750JY	X	75 1/16W	Metal Oxide AA
R742	VRD-RA2BE222JY	X	2.2k 1/8W	Carbon AA	R983	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA
R743	VRD-RM2HD470JY	X	47 1/2W	Carbon AA	R984	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA
R744	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA	△ R1420	VRN-RL3LB2R7J+	X	2.7 3W	Metal Film AB
R745	VRD-RA2BE683JY	X	68k 1/8W	Carbon AA	R2001	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R750	VRS-CY1JF224JY	X	220k 1/16W	Metal Oxide AA	R2004	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R751	VRD-RA2BE473JY	X	47k 1/8W	Carbon AA	R2006	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA
R752	VRD-RA2BE392JY	X	3.9k 1/8W	Carbon AA	R2008	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R753	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2010	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R754	VRS-CY1JF222JY	X	2.2k 1/16W	Metal Oxide AA	R2021	VRS-CY1JF334JY	X	330k 1/16W	Metal Oxide AA
R755	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA	R2024	VRS-CY1JF472JY	X	4.7k 1/16W	Metal Oxide AA
R756	VRD-RA2BE152JY	X	1.5k 1/8W	Carbon AA	R2025	VRS-CY1JF472JY	X	4.7k 1/16W	Metal Oxide AA
△ R757	VRN-RL3DB4R7J+	X	4.7 2W	Metal Film AB	R2026	VRS-CY1JF472JY	X	4.7k 1/16W	Metal Oxide AA
R759	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA	R2027	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R761	VRS-CY1JF332JY	X	3.3k 1/16W	Metal Oxide AA	R2028	VRD-RA2BE102JY	X	1k 1/8W	Carbon AA
R762	VRD-RA2EE151JY	X	150 1/4W	Carbon AA	R2031	VRS-CY1JF222JY	X	2.2k 1/16W	Metal Oxide AA
R764	VRD-RM2HD562JY	X	5.6k 1/2W	Carbon AA	R2033	VRS-CY1JF334JY	X	330k 1/16W	Metal Oxide AA
R767	VRD-RM2HD151JY	X	150 1/2W	Carbon AA	R2040	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R768	VRD-RA2BE393JY	X	39k 1/8W	Carbon AA	R2041	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA
R775	VRS-CY1JF332JY	X	3.3k 1/16W	Metal Oxide AA	R2042	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R776	VRS-CY1JF332JY	X	3.3k 1/16W	Metal Oxide AA	R2043	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA
R801	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA	R2044	VRS-CY1JF153JY	X	15k 1/16W	Metal Oxide AA
R802	VRS-CY1JF471JY	X	470 1/16W	Metal Oxide AA	R2045	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA
R803	VRS-CY1JF000JY	X	0 1/16W	Metal Oxide AA	R2046	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R805	VRS-CY1JF682JY	X	6.8k 1/16W	Metal Oxide AA	R2047	VRS-CY1JF221JY	X	220 1/16W	Metal Oxide AA
R806	VRS-CY1JF681JY	X	680 1/16W	Metal Oxide AA	R2048	VRS-CY1JF562JY	X	5.6k 1/16W	Metal Oxide AA
R807	VRS-CY1JF681JY	X	680 1/16W	Metal Oxide AA	R2051	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R808	VRS-CY1JF681JY	X	680 1/16W	Metal Oxide AA	R2054	VRS-CY1JF102JY	X	1k 1/16W	Metal Oxide AA
R810	VRS-CY1JF472JY	X	4.7k 1/16W	Metal Oxide AA	R2060	VRS-CY1JF221JY	X	220 1/16W	Metal Oxide AA
R924	VRS-CY1JF750JY	X	75 1/16W	Metal Oxide AA	R2061	VRS-CY1JF562JY	X	5.6k 1/16W	Metal Oxide AA
R925	VRS-CY1JF750JY	X	75 1/16W	Metal Oxide AA	R2062	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA
R926	VRS-CY1JF680JY	X	68 1/16W	Metal Oxide AA	R2063	VRS-CY1JF222JY	X	2.2k 1/16W	Metal Oxide AA
R927	VRS-CY1JF750JY	X	75 1/16W	Metal Oxide AA	R2064	VRS-CY1JF332JY	X	3.3k 1/16W	Metal Oxide AA
R929	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA	R2073	VRS-CY1JF000JY	X	0 1/16W	Metal Oxide AA
R930	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA	R2084	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA
R931	VRS-CY1JF750JY	X	75 1/16W	Metal Oxide AA	R2086	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R932	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA	R2088	VRS-CY1JF224JY	X	220k 1/16W	Metal Oxide AA
R933	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA	R2089	VRS-CY1JF273JY	X	27k 1/16W	Metal Oxide AA
R934	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA	R2090	VRS-CY1JF682JY	X	6.8k 1/16W	Metal Oxide AA
R935	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2092	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R936	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2093	VRS-CY1JF224JY	X	220k 1/16W	Metal Oxide AA
R937	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2094	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA
R938	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2095	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R939	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA	R2096	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R940	VRS-CY1JF8R2JY	X	8.2 1/16W	Metal Oxide AA	R2101	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R941	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2102	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA
R942	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2201	VRS-CY1JF222JY	X	2.2k 1/16W	Metal Oxide AA
R943	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2202	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA
R944	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2203	VRS-CY1JF473JY	X	47k 1/16W	Metal Oxide AA
R945	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2211	VRS-CY1JF222JY	X	2.2k 1/16W	Metal Oxide AA
R946	VRS-CY1JF103JY	X	10k 1/16W	Metal Oxide AA	R2212	VRS-CY1JF682JY	X	6.8k 1/16W	Metal Oxide AA
R947	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2213	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA
R948	VRS-CY1JF101JY	X	100 1/16W	Metal Oxide AA	R2401	VRD-RA2BE101JY	X	100 1/8W	Carbon AA
R949	VRS-CY1JF223JY	X	22k 1/16W	Metal Oxide AA	R2402	VRD-RA2BE101JY	X	100 1/8W	Carbon AA
R950	VRS-CY1JF560JY	X	56 1/16W	Metal Oxide AA	R2403	VRD-RA2BE101JY	X	100 1/8W	Carbon AA
R951	VRD-RA2BE680JY	X	68 1/8W	Carbon AA	R2404	VRD-RA2BE101JY	X	100 1/8W	Carbon AA
R952	VRS-CY1JF333JY	X	33k 1/16W	Metal Oxide AA	R2501	VRS-CY1JF183JY	X	18k 1/16W	Metal Oxide AA
R953	VRS-CY1JF220JY	X	22 1/16W	Metal Oxide AA	R2502	VRS-CY1JF183JY	X	18k 1/16W	Metal Oxide AA

Ref. No.	Part No.	★	Description	Code
R2503	VRS-CY1JF103JY	X	10k 1/16W Metal Oxide	AA
R2504	VRS-CY1JF103JY	X	10k 1/16W Metal Oxide	AA
R2505	VRD-RA2BE822JY	X	8.2k 1/8W Carbon	AA
R2506	VRD-RA2BE822JY	X	8.2k 1/8W Carbon	AA
R2507	VRD-RA2BE183JY	X	18k 1/8W Carbon	AA
R2508	VRD-RA2BE183JY	X	18k 1/8W Carbon	AA
R2509	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R2601	VRD-RA2BE100JY	X	10 1/8W Carbon	AA
R2603	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R2605	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R2606	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R3001	VRS-CY1JF221JY	X	220 1/16W Metal Oxide	AA
R3002	VRS-CY1JF221JY	X	220 1/16W Metal Oxide	AA
R3003	VRS-CY1JF105JY	X	1M 1/16W Metal Oxide	AA
R3004	VRS-CY1JF104JY	X	100k 1/16W Metal Oxide	AA
R3005	VRS-CY1JF623JY	X	62k 1/16W Metal Oxide	AA
R3007	VRS-CY1JF332JY	X	3.3k 1/16W Metal Oxide	AA
R3008	VRS-CY1JF302JY	X	3k 1/16W Metal Oxide	AA
R3010	VRS-CY1JF392JY	X	3.9k 1/16W Metal Oxide	AA
R3017	VRS-CY1JF102JY	X	1k 1/16W Metal Oxide	AA
R3018	VRS-CY1JF102JY	X	1k 1/16W Metal Oxide	AA
R3019	VRS-CY1JF101JY	X	100 1/16W Metal Oxide	AA
R3024	VRD-RA2BE102JY	X	1k 1/8W Carbon	AA

SWITCHES

S2501	QSW-KA003WJZZ+	X	Switch, POWER	AB
S2502	QSW-KA003WJZZ+	X	Switch, MENU	AB
S2503	QSW-KA003WJZZ+	X	Switch, VOL.-DOWN	AB
S2504	QSW-KA003WJZZ+	X	Switch, VOL.-UP	AB
S2505	QSW-KA003WJZZ+	X	Switch, CH-DOWN	AB
S2506	QSW-KA003WJZZ+	X	Switch, CH-UP	AB

BALUNES

FB601	RBLN-0047CEZZY	X	Balun	AB
FB706	RBLN-0037CEZZY	X	Balun	AB
FB2001	RBLN-0037CEZZY	X	Balun	AB

MISCELLANEOUS PARTS

△ ACC701	QACCD012WJPZ	X	AC Cord	AE
FH701	QFSDH1013CEZZ+	X	Fuse Holder	AB
FH702	QFSDH1014CEZZ+	X	Fuse Holder	AB
△ F701	QFS-B4023CEZZ	X	Fuse, 4A/125V	AB
J904	QJAKGA033WJZZ	X	Front In Jack	AC
J921	QSOD0456CEZZ	X	Socket, S-Video	AC
J1402	QTANJA019WJZZ	X	In Out Jack	AF
P361	QPLGN0461CEZZA	X	Plug, 4Pin(S)	AB
P402	QPLGN0661CEZZA	X	Plug, 6Pin(CJ)	AB
P601	QPLGN0161FJZZ	X	Plug, 6Pin(K)	AB
P622	QPLGN0461CEZZA	X	Plug, 4Pin(YBN)	AB
P651	QPLGN0361CEZZA	X	Plug, 3Pin(TP651-3)	AB
P702	QPLGN0269GEZZ	X	Plug, 2Pin(P)	AB
P703	QPLGN0260CEZZ	X	Plug, 2Pin(M)	AB
P2401	QPLGN0661CEZZA	X	Plug, 6Pin	AB
RDA361	PRDAR0258PEFW	X	Heat Sink for IC361	AC
RDA501	PRDARA039WJFW	X	Heat Sink for IC501	AD
RDA601	PRDARA041WJFW	X	Heat Sink for Q602	AD
RDA671	PRDARA057WJFW	X	Heat Sink for Q673	AC
RDA701	PRDAR0279PEFW	X	Heat Sink for Q701	AB
RDA750	PRDAR5072CEFW	X	Heat Sink for IC751	AB
RDA1403	PRDAR5072CEFW	X	Heat Sink for IC1403	AB
RM2601	RRMCU0222CEZZ	X	Remote Receiver	AD
△ RY701	RRLYJ0081CEZZ	X	Relay	AD
RY702	RRLYJ0088CEZZ	X	Relay	AC
CF2040	RCRM-0003CEZZ+	X	Ceramic Vibrator	AC
TP701	QLUGP0102PEZZ	X	Lug	AA

DUNTKB568WEV1 PWB-B CRT UNIT

TRANSISTORS

Q850	VS2SC4544LB1E	X	2SC4544LB	AC
Q851	VS2SC4544LB1E	X	2SC4544LB	AC

Ref. No.	Part No.	★	Description	Code
Q852	VS2SC4544LB1E	X	2SC4544LB	AC
Q853	VS2SC3198-G-1+	X	2SC3198-G	AB
Q854	VS2SC3198-G-1+	X	2SC3198-G	AB
Q855	VS2SC3198-G-1+	X	2SC3198-G	AB
Q890	VS2SC3198-G-1+	X	2SC3198-G	AB
Q891	VS2SA1266-Y-1+	X	2SA1266-Y	AB
Q894	VS2SA1266-Y-1+	X	2SA1266-Y	AB

DIODES

D850	VHD1SS119/-1Y	X	1SS119	AA
D851	VHD1SS119/-1Y	X	1SS119	AA
D852	VHD1SS119/-1Y	X	1SS119	AA
D891	VHD1SS119/-1Y	X	1SS119	AA
D892	VHD1SS119/-1Y	X	1SS119	AA
D893	VHD1SS119/-1Y	X	1SS119	AA
D894	VHD1SS119/-1Y	X	1SS119	AA
D895	VHD1SS119/-1Y	X	1SS119	AA
D896	RH-EX0616GEZZY	X	Zener Diode, 5.6V	AB
D897	VHD1SS119/-1Y	X	1SS119	AA
D898	VHD1SS119/-1Y	X	1SS119	AA
D899	VHD1SS119/-1Y	X	1SS119	AA

COILS

L852	VP-MK221K0000+	X	Peaking, 220μH	AB
L853	VP-MK221K0000+	X	Peaking, 220μH	AB
L854	VP-MK221K0000+	X	Peaking, 220μH	AB

CAPACITORS

C850	VCKYPA1HF103Z+	X	0.01 50V Ceramic	AA
C851	VCEA0A1CW107M+X	100	16V Electrolytic	AB
C852	VCKYPA1HB102K+	X	1000p 50V Ceramic	AA
C876	VCCSPA1HL561J+	X	560p 50V Ceramic	AB
C877	VCCSPA1HL471J+	X	470p 50V Ceramic	AB
C878	VCCSPA1HL561J+	X	560p 50V Ceramic	AB
C879	VCEA0A1EW476M+X	47	25V Electrolytic	AB
C880	RC-KZ018JCEZZ	X	0.01 15kV Ceramic	AB
C890	VCEA0A1CW227M+X	220	16V Electrolytic	AB
C892	VCEA0A1HW106M+X	10	50V Electrolytic	AB
C893	VCEA0A1HW106M+X	10	50V Electrolytic	AB
C895	VCEA0A1HW226M+X	22	50V Electrolytic	AB
C896	VCEA0A2EW106M+X	10	250V Electrolytic	AB

RESISTORS

R842	VRD-RM2HD104JY	X	100k 1/2W Carbon	AA
R849	VRD-RA2BE271JY	X	270 1/8W Carbon	AA
R850	VRD-RA2BE561JY	X	560 1/8W Carbon	AA
R851	VRD-RA2BE561JY	X	560 1/8W Carbon	AA
R852	VRD-RA2BE561JY	X	560 1/8W Carbon	AA
R854	VRD-RA2BE271JY	X	270 1/8W Carbon	AA
R855	VRD-RA2BE271JY	X	270 1/8W Carbon	AA
R856	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
R857	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
R858	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
△ R859	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
△ R860	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
△ R861	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
△ R862	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
△ R863	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
△ R864	VRS-VV3DB273J	X	27k 2W Metal Oxide	AB
R865	VRD-RA2BE103JY	X	10k 1/8W Carbon	AA
R868	VRD-RM2HD224JY	X	220k 1/2W Carbon	AA
R870	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R871	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R872	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R873	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R874	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R875	VRD-RA2BE471JY	X	470 1/8W Carbon	AA
R876	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
R877	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
R878	VRD-RA2BE121JY	X	120 1/8W Carbon	AA
R879	VRD-RM2HD100JY	X	10 1/2W Carbon	AA
R880	VRC-MA2HG332KY	X	3.3k 1/2W Solid	AB
R881	VRC-MA2HG332KY	X	3.3k 1/2W Solid	AB
R882	VRC-MA2HG332KY	X	3.3k 1/2W Solid	AB
R883	VRD-RA2BE221JY	X	220 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
R884	VRD-RA2BE221JY	X	220 1/8W Carbon	AA	R1423	VRS-CY1JF102FY	X	1k 1/16W Metal Oxide	AA
R885	VRD-RA2BE221JY	X	220 1/8W Carbon	AA	R1427	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R886	VRD-RA2BE471JY	X	470 1/8W Carbon	AA	R1428	VRD-RA2BE332JY	X	3.3k 1/8W Carbon	AA
R887	VRD-RA2BE471JY	X	470 1/8W Carbon	AA	R1429	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA
R888	VRD-RA2BE471JY	X	470 1/8W Carbon	AA	R1430	VRS-CY1JF151JY	X	150 1/16W Metal Oxide	AA
R890	VRD-RA2BE562JY	X	5.6k 1/8W Carbon	AA	MISCELLANEOUS PART				
R891	VRD-RA2BE102GY	X	1k 1/8W Carbon	AA					
R892	VRD-RA2BE331GY	X	330 1/8W Carbon	AA	P1401	QPLGZ0810CEZZ	X	Plug, 8Pin(CA)	AB
R894	VRD-RA2BE152JY	X	1.5k 1/8W Carbon	AA					
R895	VRD-RA2EE561JY	X	560 1/4W Carbon	AA					
R899	VRD-RA2BE222JY	X	2.2k 1/8W Carbon	AA					
MISCELLANEOUS PARTS									
P860	QPLGN0441CEZZ	X	Plug, 4Pin(YBN)	AB					
P880	QPLGN0641CEZZ	X	Plug, 6Pin(CJ)	AB					
SC850	QSOCV1011CEZZ	X	Socket, 12Pin	AC					
DUNTKB572WEV0 PWB-D 2 LINE Y/C UNIT									
INTEGRATED CIRCUIT									
IC1401	VHITC90A45F-1Y	X	TC90A45F	AH					
TRANSISTORS									
Q1401	VS2SD601AR/-1Y	X	2SD601AR	AB					
Q1402	VS2SD601AR/-1Y	X	2SD601AR	AB					
Q1404	VS2SB709AR/-1Y	X	2SB709AR	AB					
COILS									
L1401	VP-XF100K0000Y	X	Peaking, 10μH	AB					
L1402	VP-XF100K0000Y	X	Peaking, 10μH	AB					
L1403	VP-XF100K0000Y	X	Peaking, 10μH	AB					
L1404	VP-XF220K0000Y	X	Peaking, 22μH	AB					
L1405	VP-XF220K0000Y	X	Peaking, 22μH	AB					
L1408	VP-XF100K0000Y	X	Peaking, 10μH	AB					
CAPACITORS									
C1401	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1402	VCEA0A1AW227M+X	220	10V Electrolytic	AB					
C1403	VCCCCY1HH330JY	X	33p 50V Ceramic	AA					
C1404	VCCCCY1HH181JY	X	180p 50V Ceramic	AB					
C1405	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1406	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1407	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1408	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1409	VCEA0A1CW476M+X	47	16V Electrolytic	AB					
C1410	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1411	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1412	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1413	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1414	VCE9GA1HW105M+X	1	50V Electrolytic	AB					
C1415	VCCCCY1HH120JY	X	12p 50V Ceramic	AA					
C1416	VCCCCY1HH3R0CYX	3p	50V Ceramic	AA					
C1417	VCCCCY1HH270JY	X	27p 50V Ceramic	AA					
C1418	VCCCCY1HH120JY	X	12p 50V Ceramic	AA					
C1419	VCCCCY1HH3R0CYX	3p	50V Ceramic	AA					
C1420	VCCCCY1HH270JY	X	27p 50V Ceramic	AA					
C1423	VCFYFA1HA474J+ X	0.47	50V Mylar	AB					
C1424	VCEA0A1CW107M+X	100	16V Electrolytic	AB					
C1425	VCCCCY1HH820JY	X	82p 50V Ceramic	AA					
C1429	VCEA0A1CW107M+X	100	16V Electrolytic	AB					
C1430	VCKYCY1CB104KY	X	0.1 16V Ceramic	AA					
C1431	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
C1432	VCKYCY1HB103KY	X	0.01 50V Ceramic	AA					
RESISTORS									
R1401	VRS-CY1JF821JY	X	820 1/16W Metal Oxide	AA					
R1402	VRS-CY1JF000JY	X	0 1/16W Metal Oxide	AA					
R1403	VRS-CY1JF361JY	X	360 1/16W Metal Oxide	AA					
R1415	VRS-CY1JF391JY	X	390 1/16W Metal Oxide	AA					
R1416	VRS-CY1JF102JY	X	1k 1/16W Metal Oxide	AA					
R1417	VRS-CY1JF152JY	X	1.5k 1/16W Metal Oxide	AA					
R1421	VRS-CY1JF152FY	X	1.5k 1/16W Metal Oxide	AA					

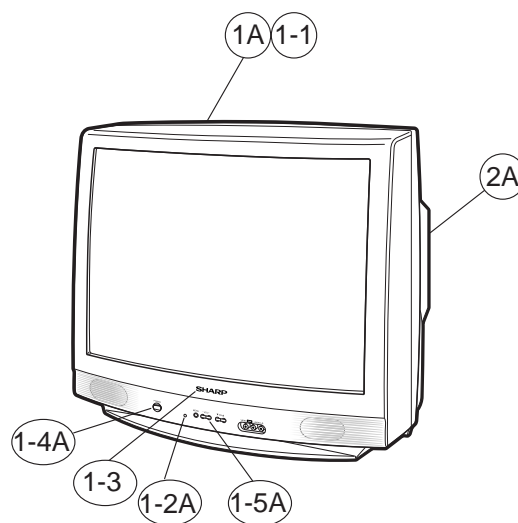
Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
SP1	VSP1206PB69WA	X	Speaker(L)	AG
SP2	VSP1206PB69WA	X	Speaker(R)	AG
	QCNW-0136GJZZ	X	Connecting Cord	AC
	QCNW-0237MEZZ	X	Connecting Cord	AH
	QCNW-B126WJZZ	X	Connecting Cord	AC
	QCNW-B238WJZZ	X	Connecting Cord	AB

SUPPLIED ACCESSORIES				
	RRMCG1324CESC	X	Infrared R-C Unit	AH
	TGAN-A216WJN1	X	Guarantee Card	AB
	TINS-B091WJZZ	X	Operation Manual(32C240)	
	TINS-B162WJZZ	X	Operation Manual(32C241)	

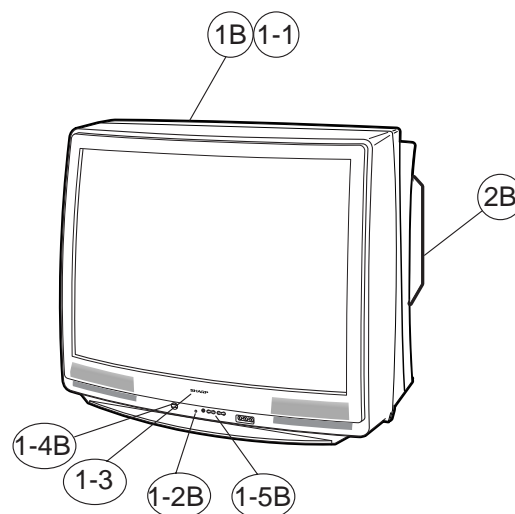
PACKING PARTS (NOT REPLACEMENT ITEM)				
	SPAKCB278WJZZ	-	Packing Case(32C240)	—
	SPAKCB233WJZZ	-	Packing Case(32C241)	—
	SPAKP0110GJZZ	-	Wrapping Paper	—
	SPAKX0128GJZZ	-	Packing Add.(32C240)	—
	SPAKX0126GJZZ	-	Packing Add.(32C241)	—
	SSAKA0101GJZZ	-	Polyethylene Bag	—

Ref. No.	Part No.	★	Description	Code
CABINET PARTS				
1A	CCABAA594WEH0	X	Front Cabinet Ass'y (32C241)	
1B	CCABAA587WEH0	X	Front Cabinet Ass'y (32C240)	
1-1	Not Available	-	Front Cabinet	—
1-2A	GCOVA0117GJKA	X	RC/LED Cover(32C241)	
1-2B	GCOVA0119GJKA	X	RC/LED Cover(32C240)	AB
1-3	HBDGB1009MESB	X	SHARP Badge	AC
1-4A	JBTN-0132GJKB	X	Power Button(32C241)	
1-4B	JBTN-0119GJKB	X	Power Button(32C240)	
1-5A	JBTN-0133GJKB	X	Control Button(32C241)	
1-5B	JBTN-0120GJKB	X	Control Button(32C240)	
2A	GCABBA391WJKA	X	Rear Cabinet(32C241)	
2B	GCABBA387WJKA	X	Rear Cabinet(32C240)	

CABINET PARTS LOCATION

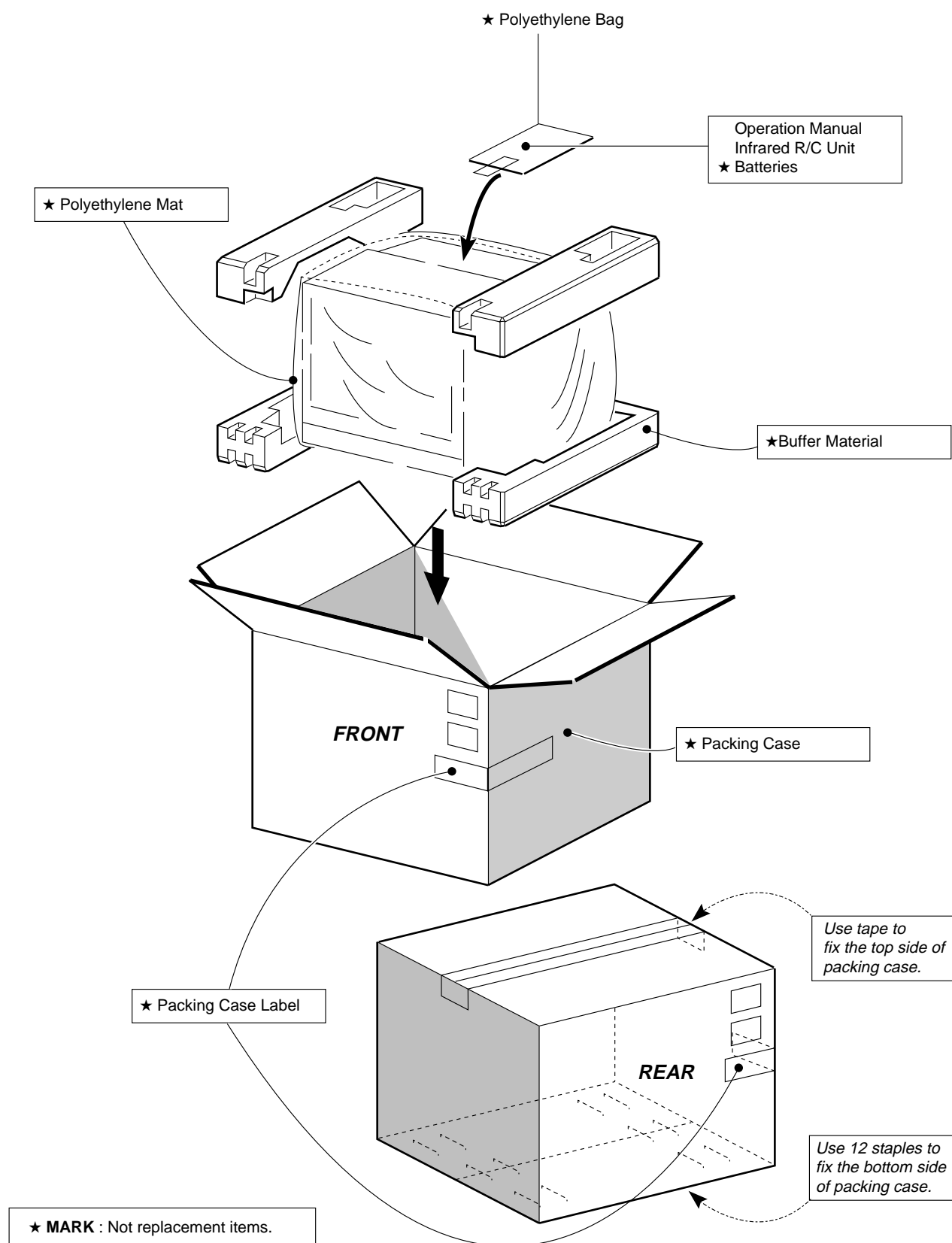


32C241



32C240

PACKING OF THE SET



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MY. DS

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